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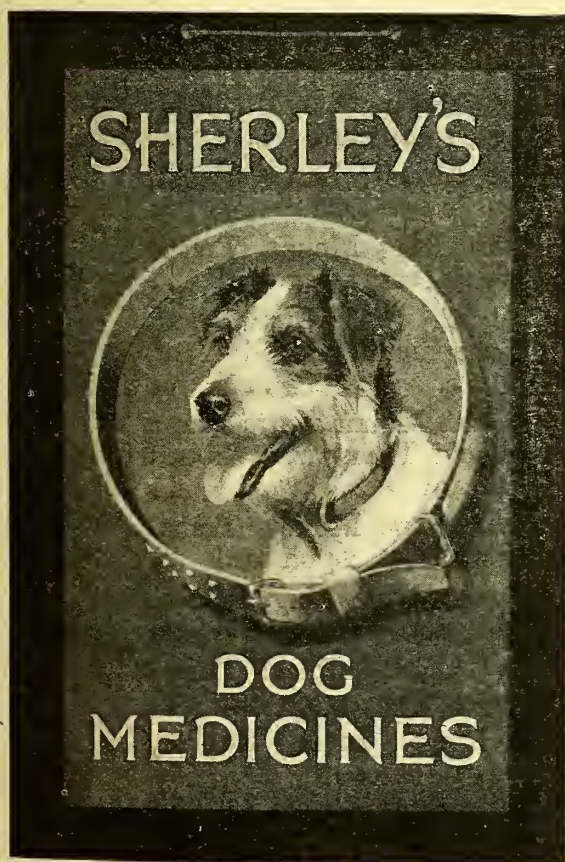
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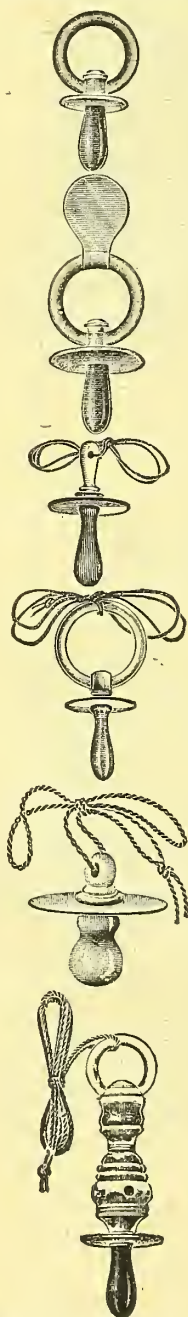
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COUNCIL ELECTION, 1923

TO MEMBERS OF THE SOCIETY

Having accepted nomination for re-election to the Council, we venture to hope that our service as Councillors during the past three years in the general interests of Pharmacists and Pharmacy may have so far commended itself as to justify your continued confidence and support.

Being all engaged in retail business, and collectively covering all phases of everyday pharmaceutical and commercial experience, metropolitan and provincial, city, town and country, we feel that the problems and difficulties of the ordinary Pharmacist are those with which we ourselves have become familiar by actual first-hand practical knowledge, and are consequently those which we have the strongest possible reason for endeavouring to solve.

We stand as advocates of an active, steady, continuous forward policy in pharmaceutical matters—progress guided by accurate knowledge and tempered by foresight and commonsense. We believe that it is possible for the Council to take a bold line in certain questions without incurring a charge of rashness, and in such instances we would support the strong policy.

There are many questions likely to affect vitally the interests of Pharmacists now engaging the attention of the Ministry of Health, the Home Office, the Privy Council, and other Departments of the State, and the most vigilant attention will be demanded on the part of the Council to conserve the acknowledged rights of Chemists and safeguard their legitimate aspirations. We would encourage the development of the Branch Organisation so that effective concerted action may be possible if it should be needed to repel Departmental or other aggression.

In Educational affairs we support the advance in the methods and control of pharmaceutical training recently approved by the Council, and are prepared to to assist in the adjustment of the Major Examination to meet foreshadowed developments in the National Health policy of the State.

In administration of the Society's affairs we stand for careful finance, and strict economy.

Under no consideration could we consent to any movement which would lead to a surrender of the titles conferred on qualified Chemists by the Pharmacy Acts.

We are prepared to employ our efforts to the best of our abilities in furthering your pharmaceutical interests and deserving the trust hitherto reposed in us by the electorate.

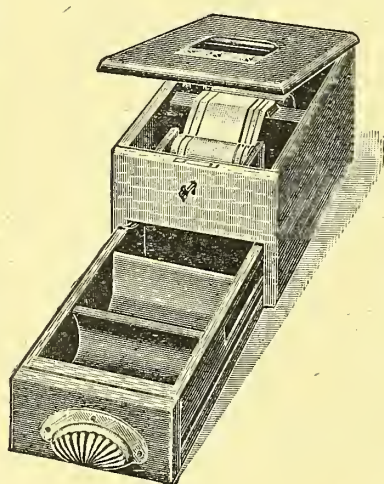
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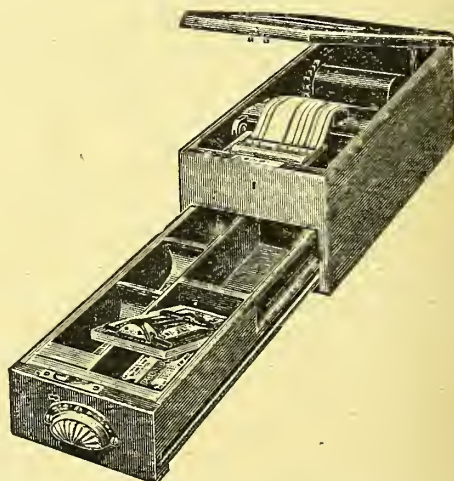
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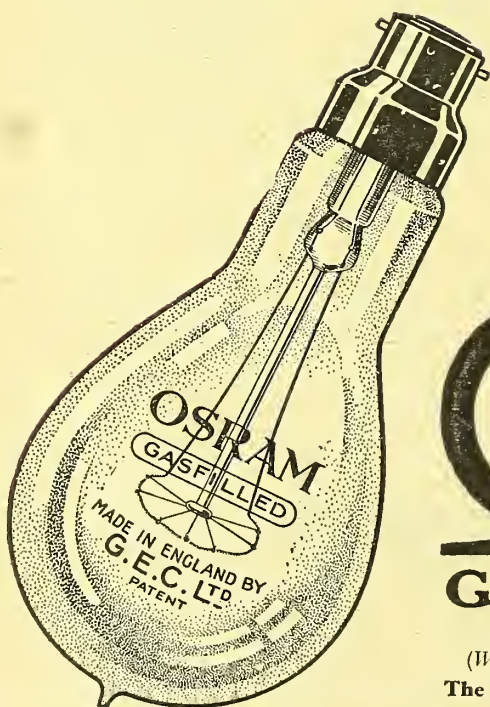
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Maw's



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**Eleven
London**

Code:
**A.B.C.
4th & 5th
Edition**

We Exhibited

at the **Peldo**
(Patent applied for)

IDEAL HOME EXHIBITION

and created thousands of new users.
See that you get **YOUR SHARE.**

IF YOU DO NOT ALREADY STOCK
"PELDO," IT CAN BE OBTAINED
FROM ALL THE LEADING PATENT
HOUSES, OR DIRECT FROM US.

RETAIL PRICE
(P.A.T.A.) **1/6**

WHOLESALE
PRICE **13/6** DOZ.

Showcards and Window Display Material supplied.

Remember "Peldo" business is all new business

Sole Proprietors and Manufacturers :

C. R. HARKER, STAGG & MORGAN, LTD.

DEVON WHARF AND BELL WHARF,

EMMOTT STREET, MILE END, LONDON, E.1.

Delivery

has always been with us a matter of great importance. That we have built up a reputation for speed is, we think, amply endorsed by these very much appreciated remarks from satisfied customers.

"I posted an order to you over-night; when I arrive at my shop next morning your messenger is waiting on the doorstep with the goods. Too bad, really!"

"Thanks for smart dispatch of last goods. Herewith another for similar treatment. I think you are snatching all my orders lately; the fact is the goods get here in a canter everytime."

"Astounded with your prompt delivery, which will be the means of my sending you a large amount of custom."

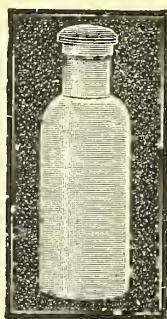
"Goods to hand; thanks for prompt attention to all my orders."



A LUCRATIVE LINE FOR CHEMISTS

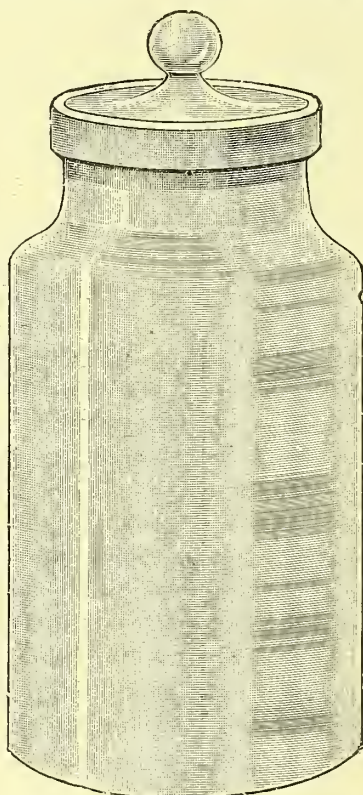
is our air-proof **Egg Preserving Jar** (as illustrated), and in connection with your sales of Water Glass will add to your takings considerably. Make a display in your window or counter with an attractive Showcard. *Now* is the time.

**LIMES
KALIS
MEDICALS**



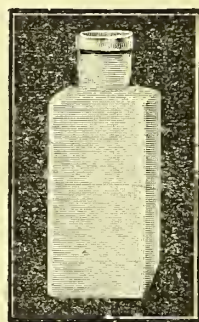
KALI.

**TOBINS
VIALS
POMADES**



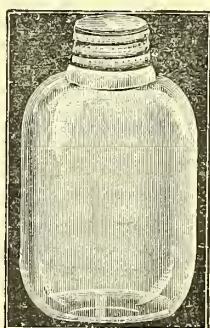
EGG PRESERVING JAR.

**CHELTENHAMS
PANELS
MEXICANS**



CHELTENHAM.

**SMELLING
SALTS
TABLET
BOTTLES**



TABLET BOTTLES.

**COMPOSITION STOPPERS
FOR BOTTLES AND JARS**



TWO-ENDED FEEDER.

SEND US YOUR ENQUIRIES.

NARROW-MOUTH
SHOP ROUND.

CHEMICAL & LABORATORY GLASSWARE

JULES LANG & SON

CHARLTON WORKS, CHARLTON PLACE, ISLINGTON, LONDON, N.1.
(Opposite Agricultural Hall.)

Telephone:—
North 2770-2 (3 lines).
Codes:—A B C, 5th Edition.

Scott's 10th Edition (1906);

Bentley's Complete Phrase Code.

Telegrams:—
"Assorted, Phone, London."

Do the Public Respond?

A Special Offer has pulling power and advertisement value only so far as it appeals to the public as a genuine proposition. The value for money must be in the actual product offered—because the Public is too old a bird to be caught by the something for nothing gag.

Our Offer. With every order for AYRTON'S HAIR PRESCRIPTION and AYRTON'S COMPLEXION WAX we will include

sufficient pocket or purse mirrors to enable the Chemist to present one

to every purchaser of the products. A useful little toilet friend which carries a message to the mother and sister and friends of the purchaser and brings them along to the Pharmacy as customers.

THAT'S DIRECT ADVERTISING WHICH HELPS THE CHEMIST, ISN'T IT?

AYRTON'S COMPLEXION WAX. Gives a lovely texture to the skin with a transparency wholly delightful. P.A.T.A. 1/3. 10/- doz.

AYRTON'S HAIR PRESCRIPTION. A preparation which brings praise from every quarter. P.A.T.A. 1/9. 14/- doz.

AN ORDER FOR A GROSS MEANS—13 DOZ. OF THE PRODUCTS—13 DOZ. MIRRORS FOR PRESENTATION, AND SPECIAL SHOW-STAND for WINDOW DISPLAY WITH CARDS ANNOUNCING THE GRATIS MIRROR.



AYRTON, SAUNDERS & CO., LTD.

Manufacturing Chemists

LIVERPOOL, Eng.

GO

GREENWICH
OBSERVATORY
TRADE MARKCONCENTRATED
LEMONADE

2d. Size .. 16/- per gross.
 3½d. Size .. 28/- per gross.
 6½d. Size .. 51/- per gross.
 1/- Tins .. 8/- per doz.

Bonus with Window Display Parcels—

12×6½d. free with £3 Parcel.
 30×6½d. " £6 "

Parcels may be assorted as required.

100 Free Samples with a £3 order,

200 Free Samples with a £6 order.

A suggested £3 Parcel
 is as follows:—

	£	s.	d.
6 doz. 2d. G.O. Lemonade	8	0	
12 " 3½d. "	1	8	0
4 " 6½d. "	17	0	
1 " 1/- tins "	8	0	
(less 2½% for C.W.O.)	£3	1	0

1 doz. 6½d. free in payment for display.

Sells for **£4 18s. 6d.**

YOUR PROFIT £1 19s. 0d.

Nearly 40% on turnover.

Order NOW to avoid the
 eleventh-hour rush.

THE
GREENWICH LEMONADE
 COMPANY

(J. MILNER, M.P.S.)

11 JOHN PENN STREET,
 LONDON, S.E.13

Phone :
 Greenwich
 947



"BEST
 for
MOTHER
 and
BABY"



"DORSELLA"
 MILK FOOD

Equals Grade "A" Milk
 in decorated Air Tight Tins.

16 oz. net. 10 oz. net. 5 oz. net.
 2 oz. Samples free on receipt of 3d. postage and packing.

Manufactured by

PRIDEAUX'S FOOD ETC. COMPANY, LIMITED,

Pioneers of the Dried Milk Industry. Eight
 Creameries in Dorset, Somerset and Wilts.

London Office: 16 Southwark Street, S.E.1.

Send for Trade Terms and full particulars to:

PRIDEAUX'S FOOD etc. Co. Ltd.
 MOTCOMBE, DORSET.

Prizes for You—and Prizes for
 your Customers—are only two of
 the advantages to be gained by
 stocking for your summer trade.

"NATURAL"
 HEALTH SALT.

303 PRIZES
 for Retailers.

1st Prize.....	£50
2nd "	£25
3rd "	£12 10s.
100 Prizes of.....	10s.
100 " "	5s.
100 " "	2s. 6d.

Write for particulars.

In addition—you must remember
 that this Health Salt is daily
 winning new custom. It is re-
 cognised and acknowledged to
 be the **only** Natural Way to
 Health. Because of this—there
 is easy selling, and increasing
 profit for showing it prominently.

Stock up now for your share of the Summer trade.
 New Showcards, Window Bills, and Handbills supplied.

WILKINSON & SIMPSON, Limited
 Manufacturing Chemists, NEWCASTLE-UPON-TYNE



BEHIND each tin of "Mineral Spring" on your counter are the advertisement pages of many papers of national reputation—and behind these, making the campaign "worth while" from the Chemists' point of view, is the unbreakable rule :—"Mineral Spring" is not supplied to Grocers."

In 1/- & 2/- tins (P.A.T.A. Min.) Trade prices 8/- & 16/- dozen.

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
 & Bardsley House, London, N.1
 ESTABLISHED 1797.

COPYRIGHT

If you want good value in
FOREIGN & BRITISH WINES

ALSO

"CROWN BRAND" LIEBIG'S MEAT
AND MALT WINE

"WIN-FERRO" TONIC BLOOD WINE

B.P. ORANGE QUININE WINE

GINGER, B.P. ORANGE, RAISIN

and Other Wines

Write to

LAMB & WATT, Ltd.

48 ST. ANNE ST., LIVERPOOL

FOR PRICE LIST.

Established 1847.

Highest Awards at all International Exhibitions
where shown.

D^r HALE'S
VIN-SANGUIS
WINE FOR THE BLOOD

Fountain of Health

If you have a
Wine License we
will pay the fee.

If not, get one,
we will pay.

Send for any

You agree to display
"Vin Sanguis" always.
You give us an
agreed initial order.
You always keep stock

further particulars



PROPRIETORS OF
DR. HALE'S VIN-SANGUIS

Transcontinental Agencies Ltd

14, Southampton St. London, W.C.2

MADE WITH OLD DOURO PORT

YOUR PROFIT ON COST 126 PER CENT.

Send at once for a free sample tin.

THE FINEST HEALTH SALT ON THE MARKET

Cost 3/9 dozen, gross lots, carriage paid. Sells at 8½d.

LANDS, LTD., Manufacturing Chemists, Progress Works, Coalville, near LEICESTER.

PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

(Wholesale only)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

You Cannot Buy Better!

MALT EXTRACT

MALT & COD LIVER OIL

*Ask for
Samples
and
Prices.*

Also in attractive Containers, with client's own name and address.

JEFFREYS, MILLER & CO., Ltd.

**Leyland Mills,
WIGAN.**



Kutnow's Powder

Prescribed for the Royal Family

Sales of this well-known British Remedy since reduction to pre-war price of 2/9 have enormously increased. The public is now demanding Kutnow's Powder in large quantities.

Widely Advertised

See to your stock to meet the increased demand which means largely increased profits for you. This high-class preparation enhances your reputation for the sale of high-class goods and pleases your customers.

**Write
For
Special
Bonus
Terms
For
Window
Display**

S. Kutnow and Co., Ltd.

41 Farringdon Road, London, E.C.1

3

**NEW
PROFITABLE
LINES**

CAMWAL

**Pearlspring Health Salts
Rubine (The Smokers') Tooth Paste
Aquaperia Salts (P.A.T.A.)**

HANDSOME PROFITS ASSURED. WINDOW DISPLAYS.

Home and Export Prices and Terms on Application.

"CAMWAL" Ltd., LONDON, MANCHESTER, BIRMINGHAM, BRISTOL, HARROGATE.
City Office: 52 Queen Victoria Street, LONDON, E.C.4.

WINGARNIS

Sells readily ALL the time

COLEMAN & CO., Wincarnis Works, NORWICH.

**IMPORTANT NOTE
TO CHEMISTS
WITHOUT LICENCES**

It has been established by law that Registered Chemists may sell "Wincarnis" with Quinine *without* a licence.

MASON'S EXTRACT OF HERBS

Please apply for *PRICE LIST* and
WINDOW DISPLAY terms.

NEWBALL & MASON
NOTTINGHAM

Vinum Xericum

BUTTS. 108 galls.	HOGSHEADS. 54 galls.	QR. CASKS. 27 galls.
Grade A. STRENGTH 16.5°—17° Abs. Alc.		
Grade B. .. 18°—19° Abs. Alc.		

James V. Oldham

19 St. Dunstan's Hill, London, E.C.3.

Telephone : Avenue 3013.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

**Food for Babies, Prepared Barley,
N. F. Cocoa, Biscuits, Wholemeal, &c.**

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock, if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

**NATURAL FOOD COMPANY, Ltd.,
Cambridge Road, Bethnal Green, LONDON, E.**

All advertising matter—Booklets, Window Displays,
Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

THE WORLD'S BEST

HONEY

(New Zealand)

"IMPERIAL BEE"

The FINEST QUALITY THAT BEES PRODUCE

BUILD your HONEY TRADE on a sure FOUNDATION
QUALITY means REPEAT ORDERS.

Cases	48×1's	..	Screw-top Glass	..	12/9	per doz.
"	48×1½'s	..	"	"	7/6	"
"	48×1's	..	Monopots	.....	11/3	"
"	48×1½'s	..	"	.....	6/-	"
"	30×1's	..	Glass Tumblers	..	12/9	"
"	18×1¼'s	..	Glass Toby Jugs	..	17/9	"

CARRIAGE PAID TO ALL PARTS OF U.K.

Special quotations to the Wholesale Trade and large buyers.

Quotations for Bulk (cases of 2/60 lb. tins) of all grades on application.

New Zealand Honey Producers' Association, Ltd.

Sole European Agents :

A. J. MILLS & CO., Ltd.

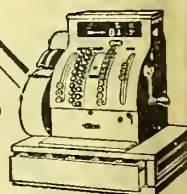
Produce and Canned Goods Department

14, TOOLEY STREET LONDON, S.E.1.

And at

Birmingham, Bristol, Cardiff, Glasgow, Leeds, Leicester,
Liverpool, Manchester, Newcastle-on-Tyne

Opportunities for Retailers



We often take back used
Cash Registers when
customers are installing
larger or more up-to-
date machines. These
National Cash Registers

**Thoroughly Overhauled
and Rebuilt**

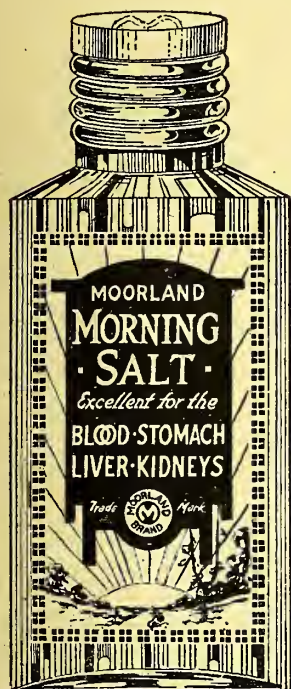
are sold under the
Company's full guarantee
at reduced prices.

Write for details of "Nationals" available.

Dept. R.5,

The National Cash Register Co. Ltd.,

225, Tottenham Court Rd., London, W.1.



OLD FRIENDS

Here are two—Moorland Heart Shape Tablets and Moorland Morning Salt. They have that happy but somewhat rare gift of keeping old customers and continually making new ones. Both lines give you a handsome profit, and both are supported by very excellent show matter. Their sales are ever on the increase and will continue so if you give them fair and regular display.

They are o'd friends—very profitable ones, too. Let us keep them so.

MOORLAND HEART SHAPE TABLETS

51/- per gross. Retail 7½d.

4/6 per dozen under 1 gross.

A complete window display free with a gross order.

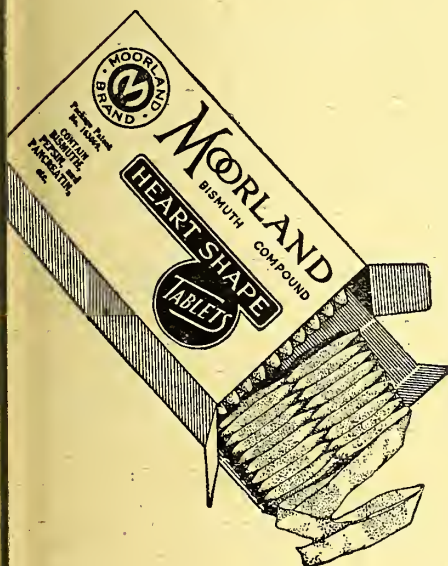
MOORLAND MORNING SALTS

11/6 per dozen.

11/- per doz. gross lots.

To retail at 1/9.

A very attractive window show free with a gross order.



W.B. CARTWRIGHT LTD.
 RAWDON LEEDS
Australia. 297-299 CASTLE REAGH ST. SYDNEY.
New Zealand. 101, HEREFORD ST. CHRISTCHURCH.
 520, FLINDERS LANE, MELBOURNE. CORNER ALBERT & DURHAM STS. AUCKLAND.

Carriage paid terms £2.

Cases and containers free.

SHOW MATTER GIVEN FREE WITH EACH ORDER FOR BOTH LINES.



Specialty Brilliantines and Toilet Paraffins

BEST QUALITY BIGGER PROFITS

Selling "Specialty" Brilliantines and Toilet Paraffins not only means liberal profits for you, but assures a continuous demand by your customers who appreciate high-quality products that are always reliable.

As one of the largest importers of White Oils, we are in the favourable position of being able to quote you exceptionally keen prices. Guaranteed superior quality goods. You can prove this for yourself by sending for samples and our latest attractive quotations.

"Specialty" Brilliantines and Toilet Paraffins are supplied in a wide variety of high-quality Perfumes to the Retailer's own choice.

PACKED GOODS

All classes of Medicinal and Toilet Lines, including Liquid Paraffins and Emulsions, Ointments, Cold Creams, Petroleum Jellies, etc., in most attractive packings at extremely fine prices.

Send for latest Price List.

Specialty Dept.
Anglo-American Oil Co. Ltd.

Albert Street,
Camden Town, London, N.W.1.

Telegrams :
"Nufirjol, Norwest, London."

Telephones :
Hampstead 4046-4047.

SUPERFLORO

Regd. Trade Mark.

Only firm selling in bulk all the well-known and exclusive high-class perfumes, including—

Chypre, Lorigan, Amber, etc.

TRIPLE EXTRACT guaranteed manufactured from pure alcohol and natural flower essences, at prices below those imported from France.

Natural Essences & Essential Oils
for all Toilet Preparations.

NO SYNTHETIC.

For quotations and samples apply
to Sole Concessionnaires of

BERENGER FILS
PARIS & GRASSE (Established 1810)

SUPERFLORO, LTD.
5 HANOVER ST., REGENT ST., W.1.

Telephone - - - MAYFAIR 1060.

ESSENCES HIGHEST CONCENTRATION.

Sole Agents for Gt. Britain and Colonies
FOR

FRIES & BRO. NEW YORK

The World - Renowned Makers of
FIRST QUALITY ESSENCES.

**PEACH
APRICOT
HONEY
MAPLE
&c.**

Stocks
in
London.

Ask for
Quotations
& Samples.

A. CONNELL & CO.,
20 BEVIS MARKS, LONDON, E.C.3.
Phone : AVENUE 1945. Telegrams : "NITROZONE, LONDON."

ESTABLISHED 1768.

ANTOINE CHIRIS (Grasse)

Present a few Specialities.



LINALYL ACETATE
ALCOHOL CINNAMIC
PELAGORNATE OF ETHYL

THE SWEET ALMOND OIL

FLORESSENCE VIOLET (new crop)

OIL SYNTHETIC LILAC A.C.

OIL BOIS DE ROSE FEMELLE



ANTOINE CHIRIS LTD.

3 DRAPERS GARDENS, THROGMORTON AVENUE, E.C.2.

DEARBORN (1923) LTD.**37 Gray's Inn Road,
LONDON, W.C.1.****Toilet Specialties.**

	Price per doz. to Retailer	Selling Price P.A.T.A.
PILENTA SOAP ...	10/-	1/-
A complexion soap.		
PROLACTUM ...	10/-	1/-
For the lips.		
PARSIDIUM JELLY ...	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE BLOSSOM ...	22/6	2/6
A dressing cream.		
BORANIUM ...	22/6	2/6
A hair tonic.		
CLEMINITE ...	22/6	2/6
For a face lotion.		
COLLIANDUM ...	22/6	2/6
For a face tint.		
PERGOL ...	22/6	2/6
A deodorant.		
TEKKO PASTE ...	22/6	2/6
Camphor cream.		
STALLAX ...	22/6	2/6
For a shampoo.		
JETTALINE ...	31/6	3/6
For clearing the skin.		
PHEMINOL ...	36/-	4/-
A depilatory.		
MENNALINE ...	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX ...	31/6	3/6
A face cream.		
STYMOL ...	36/-	4/-
For oily complexions and blackheads.		
SILMERINE ...	22/6	2/6
Hair-curling fluid.		
BARSYDE ...	22/6	2/6
Dandruff eradicator.		
TAMMALITE ...	22/6	2/6
For grey and faded hair.		
LIQUID PERGOL ...	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM ...	22/6	2/6
For whitening the hands.		
HARAPOSA ...	22/6	2/6
Nut oil shampoo.		
COCONOIDS ...	31/6	3/6
For figure development.		

The Products of**Messrs. PARKER, BELMONT & CO.**

CLYNOL BERRIES {	36/-	4/-
For obesity.		58/6
SOFT PALERIUM ...	45/-	5/-
For wrinkles.		
LIQUID NAIL POLISH ...	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.**COLONIAL DEPOTS AND AGENCIES.**

Australia: ALL WHOLESALERS, & DEARBORN (Australia), Ltd., Grace House, Clarence Street, Sydney.
South Africa: LENNON Ltd, Cape Town, etc.
SIVE BROS. & KARNOVSKY, Johannesburg.
India: FRAMJEE & SON, Bombay.
SMITH, STANISTREET & CO., Calcutta.
New Zealand: SHARLAND & CO., Auckland & Wellington.
South America: DEARBORN (South America), Ltd., Calla Salta 264, Buenos Aires
Straits Settlements & Federated Malay States: MEDICAL HALL, Ltd., Singapore.

**PIVER'S
PRODUCTS****ARE****POPULAR &
PROFITABLE***Three Sound Investments
for Chemists***PIVER'S
Face Powders.**Le Trefle Incarnat, Azurea, Pompeia,
Floramyne, Gerbera, etc.

Wholesale **24/-** per dozen.
 Retail **3/-** „ box.

**PIVER'S
Complexion Creams.**Le Trefle Incarnat, Azurea, Pompeia,
Floramyne, etc.*In Tubes:*

Wholesale **12/-** per dozen.
 Retail **1/6** „ tube.

In China Pots:

Wholesale **18/-** per dozen.
 Retail **2/3** „ pot.

**PIVER'S
Dainty Silk Sachets.***(Each boxed separately).*Le Trefle Incarnat, Azurea, Pompeia,
Floramyne, etc.

Wholesale **8/-** per dozen.
 Retail **1/-** each.

PARFUMERIE**L. T. PIVER (Paris)***London Office:***102 DEAN STREET, OXFORD STREET, W.1**



THE SUPREME PURITY & EXCELLENCE



of every ingredient used
in the manufacture of

**BRISTOW'S SOAPS
& TOILET PREPARATIONS**
are Guaranteed by the Firm

and are such that they can do nothing
but good to the most delicate skins.

**BRISTOW'S
GEORGIAN
SOAP**



AND OTHER TOILET PREPARATIONS

are the acme of purity and refinement and
representative of the very highest tradition of
the firm who manufactures them.

YOU CAN recommend BRISTOW'S British
Made Products with every confidence.

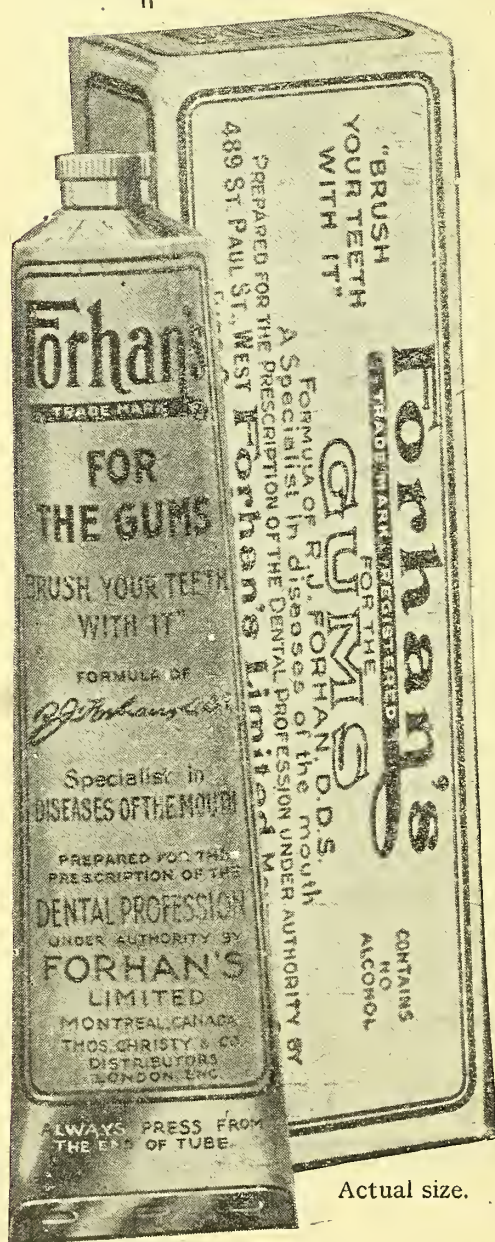
T. F. BRISTOW & CO., LTD.
ST. JAMES' WALK, CLERKENWELL, LONDON, E.C.

ESTABLISHED 1777.



More than a Dentifrice

It checks Pyorrhea



Actual size.

SO long as Pyorrhea affects four out of five of the adult population, chemists will find their profits from the sale of Forhan's For the Gums constant and progressive. For this pleasant, cooling dentifrice does more than keep teeth white and clean. Forhan's contains just that correct percentage of astringent to keep gums firm and healthy, to ward off Pyorrhea, to act as a valuable remedial agent in cases where the disease is active. Forhan's thus meets a specific demand, a demand which is growing more widespread with the public's increasing knowledge of the dangers of Pyorrhea. Remember that the man who has once realised these dangers is a certain source of repeat orders for Forhan's.

THOS. CHRISTY & CO.

4-12 Old Swan Lane,
London, E.C.4.

Forhan's

FOR THE GUMS



"I am so glad that I told that man to try Page-Barker, because I am sure he will soon get rid of Scurf, and not only thank me like others for so-doing, but will be enabled to shake off that half-apologetic manner regarding his personal appearance."

* * * * *

That is just the way we want you to *feel every time* you personally recommend or sell a 2/6 bottle of Dr. Page-Barker's Scurf and Dandruff

Lotion to a valued customer, and because we know that you will never personally be let down by Dr. Page-Barker failing to quickly remove the trouble, *we empower you to refund the 2/6 spent without question*, even when the complaint may be of the flimsiest description.

* * * * *

It's so simple too to get sales—we back our guarantee to remove Scurf by press announcements, splendid showcards, snappy leaflets—bearing your name and address—window and show-glass "stickers," better known as "Eye Catchers." Put the local material on your counter and in your window alongside a few 2/6 bottles of Dr. Page-Barker and sales will automatically follow. This is not an imaginary picture, but a fact which you can personally verify by ordering, say:

3 doz. 2/6 bottles at 18/- per doz.
with 3 × 2/6 bottles as bonus.

YOU PAY OUT OF YOUR TILL

3 doz. at 18/- - - £2 14 0

£2 : 14 : 0

YOU PUT INTO YOUR TILL

36 Bots. at 2/6 - - £4 10 0
3 Bonus at 2/6 (Free) - - 7 6

£4 : 17 : 6

YOUR PROFIT IS 44%

Selling - - - - £4 17 6
Cost - - - - £2 14 0

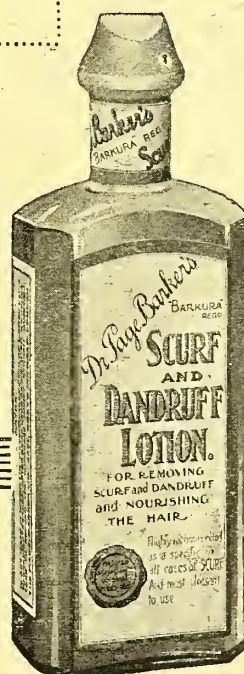
£2 : 3 : 6

So many chemists have taken either our written or our Travellers' advice and are now doing really good business in Dr. Page-Barker, which is highly satisfactory to us all. Won't you be one—even if your order is for just a dozen to start with? We know from experience that your orders will soon be "3 doz. with bonus."

Proprietors: PAGE-BARKER CO., 252b & 252c GRAY'S INN ROAD, W.C.

Distributors and Sole Selling Agents:

THOS. CHRISTY & CO., 4/12 OLD SWAN LANE, E.C.4.



Hypatia Soap

THREE SIZES	P.A.T.A. PROTECTED PRICES	PRICE PER GROSS LESS 10%
Bath	.. 9d.	80/-
Toilet	.. 5d.	44/6
Visitors	.. 2½d.	22/3

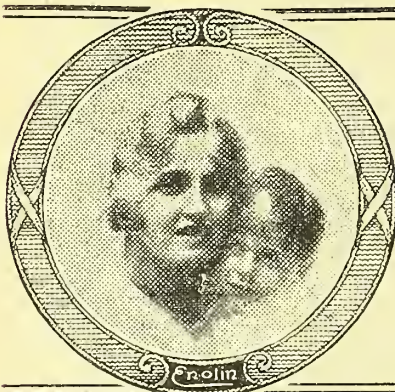
THE LAST WORD IN PERFUMED SOAP.
EACH TABLET WRAPPED IN CELLOPHANE.

Write for Samples to

R. WHEEN & SONS, LTD.

Toilet Soap Makers.

LONDON, S.E.8.



*Regain the old friends of this
live seller.*

Strong, forceful advertising is continuously reminding the public of the fine qualities of Enolin Tooth Paste. Old friends will come back to you; many new ones will try it out—and every person trying it becomes a regular user. The new Enolin Company have arranged an advertising campaign covering 2,000,000 people—stock up with Enolin—display it in your windows and get your share of the profits waiting.

ENOLIN Ltd.
201 King St.,
Hammersmith,
London, W.

Enolin

Sole
Manufacturers
of Enolin
Tooth Paste.

WHALEBONE HAIR BRUSHES

BEST LONDON MADE.

**WHOLESALE AND
EXPORT ONLY**

PROMPT DELIVERY.

Write for Prices and Samples.

*The most complete Range
in the Trade.*

Also Polished Horn,
Fin Bone (Extra
Fine Whale-
bone).



**SHAVING
BRUSHES**

OF PURE BADGER,
IMITATION BADGER,
etc. Best London Made.

Write for Samples.

JOHN FREEMAN, 10 Moor Lane, London, E.C.2

Brush Manufacturer & Importer. Telephone: London Wall 1656. Factory: WALTHAMSTOW.



For **14 Days only—**
Special Bonus Offer of
SALOMON'S
Lemon Juice Soap
No. 548

WE believe that nearly every Pharmacist has a number of customers to whom it would profit him to introduce this superlative toilet soap. We have therefore arranged with the manufacturers (Georges Salomon, Parfumerie Centrale, Paris) to make a special bonus offer—for 14 days only—of one free box with each two dozen boxes ordered by any pharmacist. This is equal to a special extra discount of 5%, and applies *pro rata* to any quantity that may be ordered during this period. The usual quantity discounts for Window Display lots (5% on half gross boxes and 10% on each gross) will also apply.

Boxed in 3's. Retails **1/3 Tab.** Trade **9/6 doz. tabs.**

MANUFACTURED EXCLUSIVELY BY

GEORGES SALOMON, Paris

Sole Concessionaires for Great Britain and Ireland—

ROBERT FERBER, LTD.

CARLTON WORKS,
 Asylum Road, Peckham, S.E.15.

We also carry stock at
 171 Duncairn Gardens, Belfast,
 and 33 Clayton Street, Newcastle-on-Tyne.



Sample tablet, **9d.**

Box of three,
2/3 post free.

Nuctone

for GREY HAIR

SPECIAL STOCKING BONUS OFFER

WE want you to avoid disappointing a single enquirer for NUCTONE when our big National advertising campaign starts in July. Therefore we are offering you this special inducement to **stock NUCTONE now.**

With 1 doz. @ 52/- per doz. 1 bottle free.
 With 2 doz. @ 52/- per doz. 2 bottles free and 2½% discount.
 With 3 doz. @ 52/- per doz. 3 bottles free and 5% discount.

This Special Offer only holds good for May and June. It will be withdrawn on June 30th. After that date NUCTONE will only be supplied on the usual terms. NUCTONE is a pleasant, harmless preparation for restoring colour to hair turning grey. It is guaranteed not to contain sulphur, lead, or any other injurious ingredient, and therefore can be sold and recommended with complete confidence. RETAIL PRICE, 6/6 per bottle.

Wholesale Distributing Agents.

HENRY C. QUELCH & CO., 4-5 Ludgate Sq., London, E.C.4

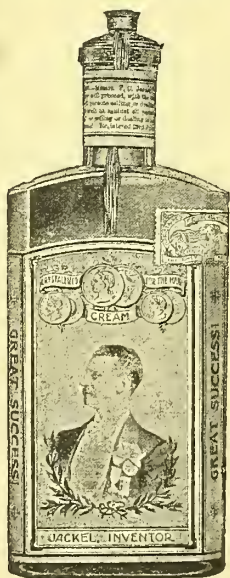
Manufactured by Stewart, Goodall & Dunlop, Ltd., 4 Dering Street, W.1.

6

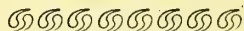
"Jackel's Cream"

(without Grease)
for THE HAIR

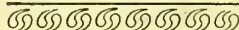
Sold Everywhere
Established 1883.



CRYSTALLISED
7 oz. CREAM 10 oz
Trade Mark attached to each
bottle.



"Jackel's Cream"
fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headwear. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.



Prices for Wholesale and Export
Houses on application.

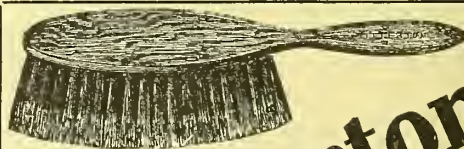
Jackel et Cie (of Paris)
Ltd.,
Sauchiehall Street,
GLASGOW.

"SAMBOY" HAIR TONIC

is made from the purest materials which combined, provide a genuine tonic, unrivalled in its beneficial effect upon the hair and scalp. It is called "a wonderful grower," and may be used by young and old without harm; is especially good in relieving irritation, and cleansing the scalp. It preserves the colour of the hair.

To be obtained from maker on sale or return terms, but is a ready seller. Everyone likes "Samboy."

"SAMBOY," 22 STRAND, RYDE, I.W.



Titterton's
Celebrated
HAIR BRUSHES
Tooth, Nail & Shaving Brushes
TITTERTON & HOWARD, Ltd., 8-10 Ct. Titchfield St., W.1.
Factory: Albion Works, Dalston Lanc. E.8.

Gibbs

£50

Advertisement- Judging Competition RESULT

Gibbs

ADVERTISING

is continuing with unabated vigour—sales all over the country are still going up, and notification of exhausted stocks are received daily. Therefore send your orders for Gibbs Preparations before your stocks are low, and ensure satisfied customers.

D. & W. GIBBS, LTD.,
(Dept. DG. 5),
City Soap Works, London, E1

THE directors of D. & W. Gibbs, Ltd., have the pleasure to announce that, out of the extraordinarily large number of entrants for this competition, fifteen succeeded in placing the six advertisements correctly in the order of popularity as determined by the Competitors. The correct order is as follows:—

First Place	Subject No. 6
Second Place ...	„ No. 5
Third Place ...	„ No. 1
Fourth Place ...	„ No. 4
Fifth Place.....	„ No. 3
Sixth Place.....	„ No. 2

THE examination of the entries has been made and the prize winners declared by Messrs. McPherson, Burtenshaw & Ednie, Chartered Accountants, 81, Cannon Street, E.C.4. Their report is as follows:—

13th April, 1923.

Messrs. D. & W. GIBBS, Ltd.,
City Soap Works, London, E.1.

Dear Sirs,

Chemists' Competition.

We certify that we have examined the lists of advertisements received from competitors for the prize of £50 advertised by you in your Extra Advertising Folder, and we have satisfied ourselves as to the order of popularity of the six advertisements as determined by the opinion of the competitors, and we declare that the following competitors, fifteen in number, have correctly given the result in accordance with the opinion of the majority.

C. P. CAMM, New Buckenham, Near Attleborough, NORFOLK.

C. F. COOKE, 22 West Street, Boston, Lincs.

E. W. HARBER, 157 High Street, King's Heath, BIRMINGHAM.

J. E. HYDE, 10 Queen Anne's Place, Bush Hill Park, ENFIELD.

W. S. STARLING, Silvester Villa, Stanley Road, Ashford, MIDDLESEX.

W. A. WOOD, 351 High Street, WEST BROMWICH.

C. F. HUMPHRIS, 7 High Street, Royston, HERTS.

Miss C. E. OWEN, c/o H. B. Morgan, Penrhyn Avenue, Rhos-on-Sea, Colwyn Bay, N. WALES.

A. J. ROBERTS, Boscawen St., Truro, CORNWALL.

P. J. ELLACOTT, 19 Bedford Street, PLYMOUTH.

J. H. REED, 28 High Street, Ilfracombe, DEVON.

MEYRICK & DAVIES, 34 James Street, OXFORD STREET, W.1.

Mrs. HULME, 23 Rochdale Road, Harpurhey, MANCHESTER.

Mrs. R. BENNION, 76 St. Albans Road, Watford, HERTS.

R. E. NAYLOR, West View, Jacksdale, NOTTS.

Yours faithfully,

McPHERSON, BURTENSHAW & EDNIE.
(Signed) F. A. BURTENSHAW.

Beaverpuf

Series

Mousley's Patents.



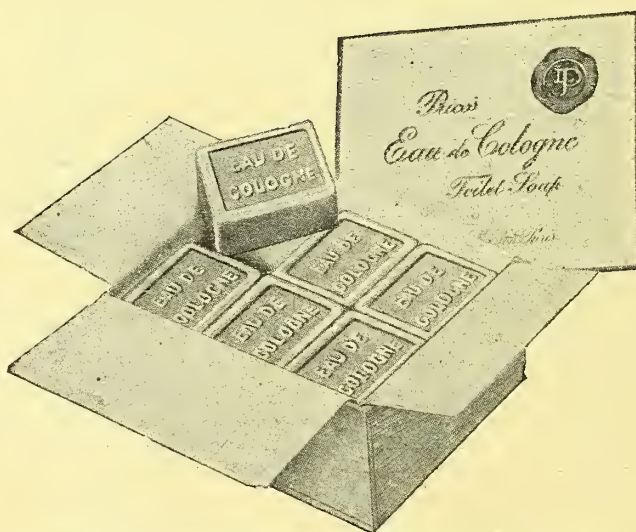
Largest Sale of any Powder Puff in the World

WRITE FOR LIST OF NEW MODELS TO THE SOLE
CONCESSIONAIRES FOR GREAT BRITAIN AND IRELAND,

BEAVERPUF, Ltd., Priest Bridge, London, S.W.14

Phone: PUTNEY 166.

PRICE'S NEW INTRODUCTION TO THE 'SQUARES' SERIES



PRICE'S EAU DE COLOGNE TOILET SOAP.

In response to repeated requests we have introduced an addition to our popular "Squares" Series in the form of

PRICE'S EAU DE COLOGNE TOILET SOAP

(as illustrated).

The popularity of Price's Old English Lavender Squares is pronounced as ever, and we feel there is ample scope for an addition to this favourite Series.

Eau de Cologne Squares are put up in the wooden boxes in toilet size only.

The prices are identical with those of Old English Lavender.

12-cake boxes - 39/9 a gross.

6-cake boxes - 41/3 a gross.

Details and quotations on application to
PRICE'S, Battersea, S.W.11.

TOOGOOD'S PERFUMES

In Wickered Globe Bottles.



3812

DEVON VIOLETS

KENTISH LILIES

MITCHAM LAVENDER

FRAGRANT MIMOSA



3813

$\frac{1}{2}$	I	2	4	8	16 oz.
19/-	32/-	55/-	96/-	186/-	354/- doz.

Show Cards, Floral Window Display and Customers' name on labels free for orders of 3 doz. assorted sizes.

LAVENDER

SMELLING



SALTS

In Green Globe Stoppered Bottles. 2 oz. size. No. 3815.
per 9/- doz.

WILLIAM TOOGOOD LTD
77, SOUTHWARK ST
LONDON, S.E.1.

Telephone :
HOP 4170
(2 lines).

Telegrams :
"TOOGOOD,
BOROH,
LONDON."

*The Result of
70 Years*

*experience in the art of
manufacturing brushes.*



*The "Edbro"
Shaving brush.*

POINTS:—

1. Awarded certificate of Institute of Hygiene.
2. Hairs **permanently** fixed by our patent process.
3. Sterilized against anthrax by the "EDBRO" process.
4. Quality unsurpassed. Prices competitive.
5. British made by British Labour.

EDWARDS BROS.

SPECIALISTS IN THE MANUFACTURE
OF HIGH-CLASS TOOTH & SHAVING
BRUSHES. — Enquiries Solicited.

63 St. Paul's Road, London, N.1

Telephone - - - - - DALSTON 1311



Sorbo Sponges go on Selling

YOU can't "get left" with a stock of Sorbo Sponges — they sell steadily year in and year out. Every single person who washes needs a Sorbo — the inexpensive rubber sponge that is improved by soap.

The demand is so great that we have had to reorganize our factories, and this has enabled us to make really big reductions in the price of Sorbo Sponges.

Remember that every Sorbo Sponge you sell means a clear 33 $\frac{1}{3}$ % profit to you.

Everybody has read or heard about Sorbo Sponges. Put the showcard in your window, and they will come in and buy them—from you.

Get in a stock of assorted sizes now.

SorboSponge

THE MOST ABSORBENT RUBBER SPONGE

Retail Prices: No. 1, 1/-; No. 2, 1/9; No. 3, 2/6
No. 4, 3/9. Bath Sizes: No. 4R 5/-; No. 5, 7/6

SORBO RUBBER-SPONGE PRODUCTS, LTD.

Sorbo Works, Woking, Surrey.

London Office - - - 24 Walbrook, E.C.4.

Millions of People

are reading and talking about
the PRO-PHY-LAC-TIC Tooth
Brush in the YELLOW Box

To an ever-increasing public our convincing
advertising is driving home in the monthly,
weekly, and daily Press the merits of the
Pro-phy-lac-tic Tooth Brush in the sanitary
YELLOW Box.

Let the public see the Pro-phy-lac-tic in
your windows—and thus profit by this
advertising.

Pro-phy-lac-tic Tooth Brush

GENUINE only in the YELLOW Box

(Manufactured by the Florence Mfg. Co.,
Florence, U.S.A.)

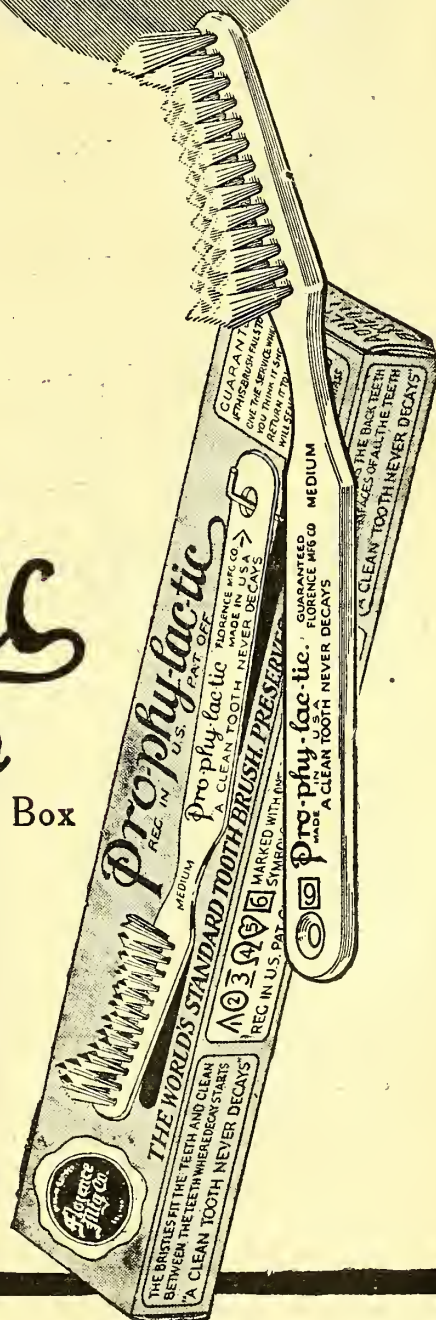
in three sizes—adult's, youth's, and child's; in three textures
of bristles—hard, medium, or soft; one quality only—each
in its individual YELLOW Box with hook for hanging.

Price to the Public, **2/6**. To the Retailer,
A Full Trade Profit.

Sold through the Wholesale Houses Only.

Wm. E. PECK & CO., Inc.
31 Bartholomew Close, London, E.C.1.

"A
Clean Tooth
Never
Decays"



The SURGICAL HOSIERY Co. Ltd.

(Department B),

RUSSELL STREET, NOTTINGHAM.

Manufacturers and Patentees of

SURCO SEAMLESS HOSIERY

In Light qualities for Summer wear, or Stout for hard wear.



Old Style
With Seams



"Surco"
Patent Seamless

Price List and Measurement Forms on Application.

Articles made to measure dispatched in 24 hours.

THREE QUICK SELLING LINES

WHICH EVERY CHEMIST SHOULD STOCK.



"NATIONAL" ZINC OXIDE PLASTER

On 5-yard and 10-yard Spools.
All Widths.

Strong. Pliable. Non-Irritant.
Very Adhesive. Keeps Indefinitely.



"NATIONAL" SELF-ADHESIVE PLASTER

On Spools or in Tins.

Two of the numerous Counter Packings
which sell at sight.

Write for Price List and Samples to—

A. DE ST. DALMAS & Co., LTD., LEICESTER.

Telegrams :

'Aybelim, Finsquare, London

Cables :

Code, A B C 5th Edition.

TRADE



MARK

Telephone :

CLERKENWELL 1347

" 1348

" 1349

Pte. Exchange

SURGICAL DRESSINGS AND CHEMISTS' SUNDRIES

ARTHUR BERTON LTD.

Surgical Dressings { B.P.C. Standard for N.H.I. Work. Band-ages, Lints, Gauzes, Cotton Wools, Gauze Tissue Pads, Swabs, Plasters, etc.

Chemists' Sundries { Vacuum Flasks, Belts, Mirrors, Bath Gloves, Bathing Caps, Powder Puffs, **Sponge Bags**, Holdalls, etc.

Toilet Requisites { Combs and Brushes of every description. Tooth and Face Powders, Tooth Paste, Manicure Sets, Scissors, Forceps, etc.

Sickroom Utensils { Thermometers, Bed-pans, Urinals, Feeding Cups, Glass Measures, Enemas, Syringes, Douches, etc.

Rubber Articles { Hot Water Bottles, Sheetings, Beds, Air Cushions, Ice Bags, Sponges, Teats, Valves, Soothers, etc.

SHOWROOMS :

15 & 17 Worship St., LONDON, E.C. 2. 84 Miller St., GLASGOW

AND

36 Chapel Street, Victoria Bridge, MANCHESTER.

SURGICAL DRESSINGS

ABSORBENT, PLAIN and UNBLEACHED
COTTON WOOLS, BANDAGES, GAUZE

Wholesale and Export only.

GEORGE HAYNES & CO. - - STOCKPORT, Eng.

Telephone : 2112 Stockport.

Telegrams : "Haynes."

Code : A B C, 5th Edition.

DR. SCHOLL'S FIXO CORN PLASTERS

A Medicinal plaster for the treatment of hard corns. Removes the most painful corn in 48 hours. Easy to apply, sure to stay. Retail price 9d. for four. 1/3 for eight treatments.



Dr. Scholl's
Foot Comfort Appliances

for which there is a universal demand, will increase your profits and custom. "Scholl" Appliances are medically endorsed and nationally advertised. A constant display of "Scholl" goods will link you up with our advertising.

Write to-day for full particulars.

THE SCHOLL MFG. CO. LTD., 1-4 Giltspur St. London, E.C.1

BARGAIN LINES

SENT ON APPROVAL.

Boat Bottle Teats (transparent) - 14/6 per gross
Breast Pumps, red bulb, boxed singly 13/6 per doz.
Ear Syringes, red rubber, 1½ oz. - 7/- "
Enemas, red rubber, boxed complete 18/6 "
Whirling Sprays - - - 2/9 & 3/- each
Carriage paid, 40/-, less 5% cash with order.

E. & G. H. COLVER

Manufacturing Chemists,

23 Ryland Rd., Edgbaston, BIRMINGHAM.

OILED SURGICAL COTTONS OILED SURGICAL SILKS

EDWARD MACBEAN & Co., Ltd.

Manufacturers of Oil-proofed and Rubber-proofed Cloths of every description.

London Office—6 & 8 Lime Street Square, E.C.3.

123-125 Howard Street • GLASGOW.

Telegrams:

"Diamond, Glasgow."

"Stormproof, Ltd, London."

Codes: Lieber's 5-Letter, ABC (5th Edition), and Marconi.

Telephones:

8387 Central.

1995 Central.

Druggists' Sundries

SPECIAL LINES for the SEASON

HAIR BRUSHES.

No.							
583.	Ladies', ebonised wood back	..	..	11 rows bristle	..	per doz.	22 0
598.	" " " " " "	..	..	11 " "	..	"	30 0
561.	" " real ebony back..	..	..	11 " "	..	"	54 0
587.	Gents' (Military shape) ebonised wood back	9	"	"	..	"	27 0
593.	" " " " " " real ebony	..	..	11 " "	..	"	36 0

TOOTH BRUSHES.

No.		Per doz.	No.		Per doz.
747.	Bone handle, 3 rows bristle	4 6	730.	Celluloid handle, 3 rows bristle	5 6
700.	" " 4 " "	6 0	707.	" " 4 " "	7 6
701.	" " 4 " "	7 0	734.	" (London Make) 4 " "	8 0

DRESSING COMBS.

No.		Per doz.	No.		Per doz.
320.	Black galalith $7\frac{1}{2}$ by $1\frac{1}{2}$ in.	6 0	195.	Black vulcanite 8 by $1\frac{3}{4}$ in.	12 6
285.	White " $7\frac{1}{2}$ by $1\frac{3}{4}$ in.	6 6	106.	White celluloid $8\frac{3}{4}$ by $1\frac{3}{4}$ in.	14 0
340.	" celluloid 8 by $1\frac{3}{4}$ in.	9 0	288.	" galalith, stout $7\frac{1}{2}$ by $1\frac{3}{4}$ in.	16 6

RAKE COMBS.

No.		Per doz.	No.		Per doz.
282.	White galalith $7\frac{1}{2}$ by $1\frac{3}{4}$ in.	6 6	196.	Black vulcanite 8 by $1\frac{3}{4}$ in.	12 6
224.	" celluloid 8 by $1\frac{3}{4}$ in.	8 0	174.	White celluloid 8 by $1\frac{3}{4}$ in.	14 0

POWDER PUFFS.

No.							
1749.	Handkerchief Puff, wool centre, georgette, assorted colours	..	..	per doz.	9 0		
	" " " " " " fancy voile	..	..	"	12 0		
	" " " " " " swansdown centre, silk	..	..	"	14 0		
	" " " " " " crepe, Special line	..	..	"	18 0		
	" " " " " " beaver centre, crepe, assorted colours	..	..	"	22 0		
	" " " " " " " " " "	..	..	"	30 0		
	" " " " " " " " " " large size	..	..	"	36 0		

1748. Bag Puff, "Ellen Terry" pattern, wool centre, silk, assorted colours

SIZES 2 3 4 5 6 7 8
per doz. 6/6 9/6 12/- 14/- 17/- 23/- 32/-

1751. Flat Wool Puff, with ribbon band, each in transparent envelope

SIZES $1\frac{1}{2}$ -in. 2-in. $2\frac{1}{2}$ -in. 3-in. $3\frac{1}{2}$ -in.
per doz. 3/- 3/6 4/6 6/- 7/-

POWDER PUFF BOWLS.

No.							
1763.	Puff Bowl, glass, engraved, $3\frac{1}{2}$ -in.	..	..	..	..	per doz.	54 0
	" " " " " " $4\frac{1}{2}$ -in.	..	..	..	..	"	60 0
	" " " " " " optical 5-in.	..	..	..	..	"	60 0
	" " " " " " cut 5-in.	..	..	..	..	"	72 0
1771.	Bowl Puffs, to suit above bowls	..	..	per doz.	21/- 28/- 34/- 60/- 72/-		

CARRIAGE PAID ON ORDERS OF £3 AND UPWARDS.

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for New Price Lists of Druggists' Sundries, Toilet Requisites, Rubber Goods, Cut Sheet Rubber Appliances, etc.

BURGE, WARREN & RIDGLEY, Ltd. 91 and 92 GREAT SAFFRON HILL, LONDON, E.C.1.

THE "VICTRA" ^{regd.} FEEDING BOTTLE

COMPLETE WITH TEAT & VALVE.

PACKED IN ATTRACTIVE CARTONS.

per doz.
7/6



per doz.
7/6

Spare Bottles
per **3/6** doz.

Spare Teats
per **1/6** doz.

Spare Valves
per **1/-** doz.

WM. EDWARDS & SONS

14/18 Nile Street, City Road, LONDON, N.1

SECURE
SURE
SALES.



SEASONABLE SELLERS!

OUR NEW ILLUSTRATED LIST OF
WATERPROOF GOODS

Sponge Bags, Bathing Caps,
Toilet Holdalls, Beach Bags,
IS NOW READY.

SOLPORT BROTHERS, LTD.

Manufacturers,
184 to 190 GOSWELL ROAD, LONDON, E.C.1.
FROM ALL LEADING WHOLESALERS.

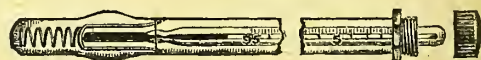
A. C. COSSOR & SON

Established 1859.

High Class
Clinical Thermometers



PATENT



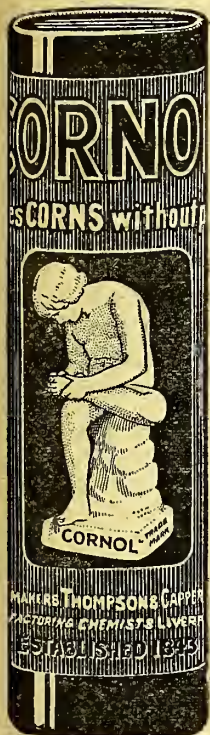
THE ACCOSON ASEPTIC CLINICAL.

The Thermometer is sterilised each time it is placed in the case, and the markings on the tube are not defaced. Any 4" clinical will fit the case.

Prices on application or can be obtained from all Wholesale Houses. ORIGINAL PATENTEES OF EASY SET CLINICAL THERMOMETERS. Contractors to all Government Departments.

Accoson Works, Vale Road, London, N.4.

Telephone : Tottenham 1880.



"CORNOL" Regd.

CURES CORNS WITHOUT PAIN

The "get-up" of CORNOL is so extremely attractive and the Showcard is so telling that this first-rate Preparation sells at sight.

It is a pity we cannot exactly reproduce the Cornol package in colours. It is far and away the best put-up Corn Remover in this or any other country.

We are so certain that all chemists will be willing to stock such an attractive and immediate seller as Cornol that we will send ENTIRELY FREE OF CHARGE one 1/3 size to any chemist who has not yet been approached by our Representatives, or who has not seen Cornol.

The free bottle we will send is the properly stamped 1/3 size, and, of course, sells for 1/3 P.A.T.A.

Chemists all over the country are now being asked for Cornol, and enquiries are coming in from the most distant places.

"CORNOL" sells for **1/3 P.A.T.A.**
and

5 1/4d. profit can be made on every bottle.

So the profit is good and there is not the slightest danger of Cornol ever becoming bad stock.

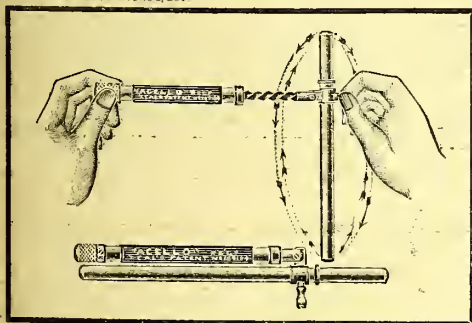
Please send for particulars of Bonus Terms to

THOMPSON & CAPPER, Ltd.
Manesty Buildings, College Lane, LIVERPOOL.

NO MORE DIFFICULTY IN SHAKING DOWN
A CLINICAL THERMOMETER!!

ZEAL'S NEW PATENT "ACELLO" (REGD.) RESETTING CASE

PATENT NO. 169104/20.



RESETS ANY CLINICAL THERMOMETER
IN AN INSTANT.

Write for full particulars to

The Inventors and Patentees—

G. H. ZEAL, LTD. Manufacturers of all
kinds of Thermometers,
77 St. John St., London, E.C.1.

REGD.
TRADE MARK

EST. 1888. Telegrams: Zealdom, London.



Wholesale
and
Export

FULLY
STOCKED.

21 Ely Place,
London, E.C.1.

Phone: Holborn 4637.

Telegrams: "Roborans,
Smith, London."

Edward Taylor

FACTORY: LTD.
SALFORD, MANCHESTER.

LATEST
PRICE LIST
ON
APPLICATION



Make room in your window

for this new Display—the hand-somest we have yet produced. The shining nickel Thermos Flasks against the vermilion stand make a magnificent attraction. It will help you to sell the higher-grade Thermos Flasks—with a proportionately greater profit.

Write us for descriptive leaflet.

THERMOS

LIMITED

12/14 Denman St., Piccadilly Circus
London, W. Telephone : Regent 2578

**T.H.FORD
LIMITED**
Telegrams:
Droicolum, Cent. London.

REGISTERED TRADE MARK

6, WELL ST.
LONDON, E.C.1
Telephone:
City 6343

"INGOT" CREPE BANDAGE

are guaranteed to comply fully
with the requirements of the
B.P.C.

viz: Weight of Bandage: not less than 617 grains,
basis 3" width.
Percentage of Wool: 33½.
Grade of Wool: not over 30, or under 25.
Fully extended not less than twice the normal length.
Guaranteed **BRITISH** made.

MADE IN SHEFFIELD, NOT IMPORTED
A User writes:—"Can't understand people buying foreign blades when such as yours are obtainable."

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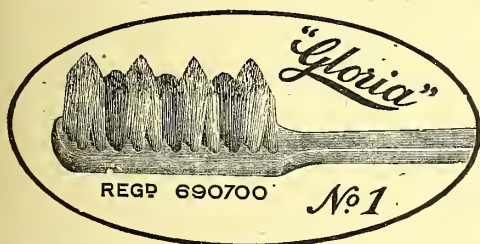
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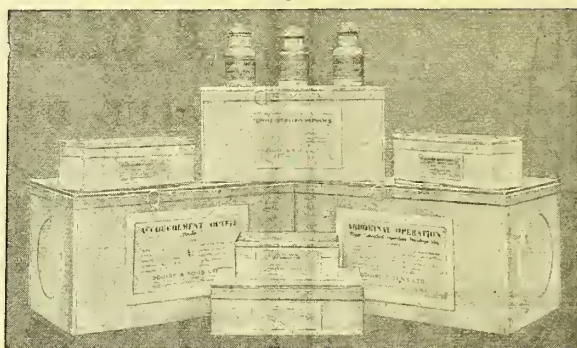
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Messrs. J. Cowper, Ltd., Chemists, Penrith, write :—
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 FOR RAT DESTRUCTION
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Neat and attractive in appearance,
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The Medical Profession | The War Office, too,
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Both quality and appearance
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Deliveries are prompt and
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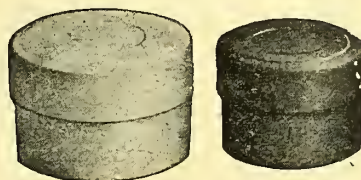
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3016	" " " large "	2/-	15/-
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small	Belladonna Plasters	... 10 1/2 d.	78/-
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6 in.	" " Breast Plasters	... 1/-	90/-
7 in.	" " " " "	... 1/2	105/-
8 in.	" " " " "	... 1/6	132/-
small	Strengthening Plasters	... 9d.	54/-
large	" " " " "	... 1/6	108/-
1/6	Improved Kidney "	... 1/6	130/-

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10/6 Sparklet "C" Syphon 10/6 93/- doz.
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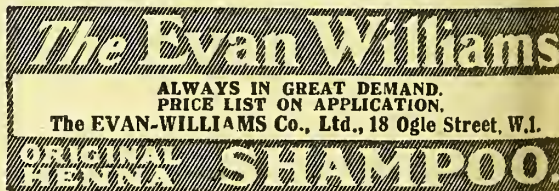
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PUBLICATION DATE JUNE 30, 1923

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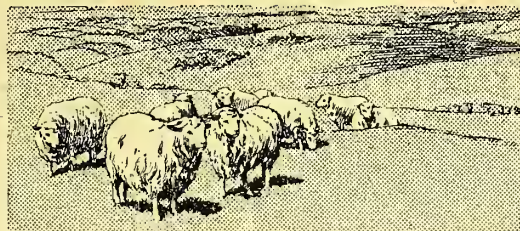
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Melbourne and Sydney, Australia.

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C. & D. Retail Price List

The Drug Index for April is 155.1, being an increase of 1.5. The Surgical Dressings Index is 225.4, an advance of 6.4. The drug increase is almost entirely due to synthetics, and could have been greater had there not been a fall on chemicals. In surgical dressings the change is due to alteration of prices consequent upon the official instructions on taping and sterilisation. The prices of all synthetic chemicals are advanced. Carbolic acid shows another rise and is higher now than for some years. Among the other advances the following are noteworthy: Ac. citric., tart., ammon., ichthosulph., argent. nuclei., argent. el., asthma powder, catechu, collod. salicyl. co., cumin. ct., curcumae, elix. papain., ext. condurang. liq., hydrarg., anthem., inf. serpent., inf. valer., liq. morph., and gum preparations, a few oils, including linseed, rape, turpentine, most syrups, some tinctures, ointments, and African ger. The decreases are less numerous, including: Aloe cot., ammoniacum, benzamin., a few bismuth salts, calcii ox., camphora, ext. hydrastis, magnes. peroxid., gum powder, methyl orange, ol. la. and., ol. menth., pip. list, a few potassium salts, spt. sapon, kalin, meth., and st. jalapae co. The appreciation of retail prices amounts most to 0.5 per cent., but in surgical section it is nearly per cent.

English and Welsh News

The Editor would be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Fairchild Scholarship and Prizes, 1923

In our last week's issue we announced that forms of entry for the next examination for the Fairchild scholarship and prizes are ready, and may be obtained on application to the secretary. We are requested to make it clear that it is necessary for candidates, when returning application forms, to send certificate of birth, proof of having registered as students of pharmacy, and proof of three years' apprenticeship, as mentioned in the syllabus.

Cocaine Substitutes Committee

The Home Office and the Ministry of Health have had under consideration the possibility of the use in medical and surgical practice of substances which might serve the same therapeutic purpose as cocaine, but be free from its deleterious properties. The Minister of Health has decided, after consultation with the Medical Research Council, to appoint a Committee with the following terms of reference: "To investigate the comparative value, for the therapeutic purposes for which cocaine is at present used, of various possible substitutes, and the evidence as to risk, if any of such substitutes becoming drugs of addiction." The Committee will consist of:—

Dr. J. Smith Whitaker, a senior medical officer of the Ministry (chairman); Dr. Norman G. Bennett, dental surgeon, Royal Dental Hospital, London; Dr. R. W. Branthwaite, C.B., a commissioner of the Board of Control; Dr. T. Carnwath, D.S.O., a medical officer of the Ministry; Dr. J. H. Chaldecott, senior anaesthetist to St. Mary's Hospital, Paddington, nominated by the anaesthetics section of the Royal Society of Medicine; Dr. H. H. Dale, C.B.E., of the Medical Research Council; Mr. T. B. Layton, D.S.O., surgeon in charge of the Throat and Ear Department of Guy's Hospital, nominated by the laryngological section of the Royal Society of Medicine; Dr. G. F. McCleary, a medical officer of the Ministry; Mr. R. Foster Moore, O.B.E., surgeon, Royal London Ophthalmic Hospital, nominated by the ophthalmological section of the Royal Society of Medicine; and Sir William Henry Wilcoxon, K.C.I.E., C.B., C.M.G., nominated by the Home Office.

The secretary is Dr. E. W. Adams, O.B.E., a medical officer of the Ministry, to whom all communications relating to the work of the Committee should be addressed.

Contracts

The following tenders have been accepted by the bodies named:—

Barnsley Education Committee.—Mr. W. A. Bellamy, chemist and druggist, drugs, etc.

Evesham Guardians.—Mr. W. J. Craven, chemist and druggist, drugs.

British Empire Exhibition

The April number (No. 3) of "Empire Exhibition News" (which is chiefly devoted to the progress of building) states that it is hoped to show not only every variety of chemical and allied products, but also the scientific basis on which the industry is built. Right of sale has been conceded to exhibitors at the Exhibition, and special regulations have been drawn up governing this concession. Permission will also be granted to exhibitors to manufacture articles on the premises, to distribute free samples, and to let customers sample food and beverages displayed on the stands. According to the new regulations, exhibitors who desire to sell goods, or manufacture for sale or distribute free samples, within the Exhibition, must apply for written authority and must comply with the regulations. The exhibitors who have obtained permits to give away free samples of their goods, or to allow free tasting of food and beverages, must see that such samples are wrapped up and tied or sealed, and that (if the permit requires it) a notice is clearly printed on the wrapper that the contents of the package must not be consumed within the Exhibition enclosure. Food and drink samples must not exceed one ounce in weight. Ali

exhibits sold or given away at Exhibition stands must be replaced from a reserve stock to be kept in readiness. The regulations add that "the frequent sampling of beverages by the same person is strictly forbidden."

Society of Apothecaries of London

At the Assistants' examination, held on April 23, 25 and 26, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:—

Baker, H. E.	Harrison, E. N.	Pertwee, J. O.
Balls, H.	Hayward, S.	Pilkington, M.
Bee, G. E. B.	Horsfield, I.	Radford, G. F.
Bodkin, E. M.	Jones, A. G.	Ratcliff, B. M.
Bonds, E.	Jordison, H. M.	Revell, A. G.
Bower, O.	Kemp, M. H.	Sandaver, F. M.
Brand, M. A.	Lempriere, I. M.	Sheridan, M. J.
Chadwick, M.	McManus, M.	Smith, M. J. L.
Dicks, K. C. H.	Macmillan, D. E. C.	Spain, C.
Dobson, R.	Moore, M. K.	Squire, D.
Doyle, M.	Morris, E.	Steer, W. H.
Dummer, T.	Nicholson, J.	Steinberg, P.
Ellwood, E. E.	Norman, E.	Thompson, N.
Feeny, E. F. M.	O'Meara, E. M.	Thorold, I. G.
Gibbs, W. M.	Parnaby, E.	Vernon, M.

Sale of Food and Drugs Acts

The latest annual report of the public analyst for the county of Lancaster (Dr. W. Collingwood Williams), covering the year 1922, indicates that during the period in question the percentage of samples found to be adulterated was 8.0 (8.22 in 1921), and of "serious cases" 2.59 (3.07 in 1921). The number of samples of "drugs" taken was 92; adulteration "or other deficiencies" were found in Gregory's powder, magnesia and borax. Dr. Williams comments as follows:—

In one sample of Gregory's powder, calcined magnesia was partly replaced by carbonate, and in three samples of magnesia itself the same thing occurred. In two cases "magnesia" contained 50 and 100 per cent. of carbonate respectively, but considerable ambiguity exists as to the meaning of the term "magnesia" in ordinary parlance. Four samples of borax sold by grocers contained 1.7, 3.4, 4.2, and 8.4 grains of arsenic per pound respectively. Four ounces of the latter sample would contain a fatal dose. I have already explained in previous reports that, in my opinion, the sale of borax by grocers is generally outside the scope of the Sale of Food and Drugs Acts. I do not think the difficulty would be met by merely labelling it "Commercial borax." It is, when so highly contaminated, a poison, and should (if sold at all) be sold under the restrictions of the Poisons or Dangerous Drugs Acts. If this were made compulsory, I am confident that measures would be taken by manufacturers to reduce this arsenical contamination to a safe and reasonable limit, which, of course, need be by no means so stringent as that of the British Pharmacopoeia.

The report also mentions that nine samples of cream of tartar were unsatisfactory: two were devoid of cream of tartar, six contained an excess of lead, and one included 4 per cent. of sodium bicarbonate.

Veronal Poisoning

An inquest was held by the Westminster coroner, on May 1, on the body of Harris Allaun, a man of independent means, who was found dead in a Strand office. Dr. Thomas Rose, police surgeon, deposed that death was due to veronal, and added that the smallest fatal dose was 30 gr. The coroner said that each bottle had contained 125 gr., and it was evident that a very large quantity had been taken. Dr. Alexander Archibald, Cricklewood, stated that Allaun, whom he had known for a year or two, had complained in January of insomnia, but was quite cheerful. He said that he was a medical student, and as he was unable to sleep asked that he should be given some veronal. Witness told him that it was rather a foolish thing to start, but Allaun laughed at the idea of taking too much. The coroner said that witness must have been aware of the danger of prescribing veronal without marking the prescription "Not to be repeated." Dr. Archibald replied that he was going to mark the prescription, but Allaun said, "You treat me as a schoolboy. You forget I have been a medical student and know what I am doing. The Coroner: All people are children when

acquiring the habit of taking veronal and morphia. You should have stuck to your decision to mark the prescription, but he over-persuaded you.—Yes. A verdict of "Suicide while of unsound mind" was recorded.

Birmingham

The sugar position is causing alarm in this district where it is used in several of the local industries.

Mr. L. V. Cullingford, 161 Anderton Road, Sparkbrook, has acquired the business of The Kurak Co. 192 Bradford Street, as from April 26.

At the recent social in connection with St. Martin's Parish Church, Mr. Partridge gave an exhibition of colour photography, and Mr. C. S. Baynton interested a large audience in broadcasting.

Hull

There have been several prosecutions against Hull shopkeepers during the past week for serving customers after closing hours.

A Hull chemist, tired of waiting for a solution of the housing problem, is building himself a new house in the Garden Village.

Trade amongst chemists in Hull is very slack at present, but business in the surrounding country district somewhat better.

An elderly woman was charged at the Hull City Police Court on April 26 with attempting suicide by drinking quantity of furniture cream.

At the annual meeting of the Hull and Sculcoates Dispensary it was stated that the expenses were twice as high as before the war. Two surgeons now cost £1,014, against £300 or £400.

Leeds

Mr. R. W. Whytlaw-Gray, Ph.D., Fellow of University College, London, has been appointed professor of chemistry at Leeds University, in succession to Professor Arthur Smithells, F.R.S.

A meeting of the Altior Students' Society (Leeds College of Pharmacy) was held on April 14, when Mr. W. G. Lloyd gave a lantern lecture on "The Art of Window dressing," which was greatly appreciated by the members.—A meeting was also held on April 21, when Mr. J. A. Lodge gave a paper on "The History of the Organ." The lecture, which was illustrated with lantern slides dealt with the evolution of the organ from the pipe players of ancient times to the complicated instrument of to-day. A vote of thanks closed each lecture.

Liverpool

Mr. R. Cecil Owen, B.Sc., Chester, is co-operating with Mr. J. L. Hirst in the Liverpool Chemists' Association picnic.

During the past few weeks nearly 400 Phosferin showcards have been placed in chemists' shops in Liverpool and district.

So hot was the sun last Sunday that a large bottle of Eau de Cologne, marked 35s., left in a down-town pharmacy window, burst in two, as if cut with a knife.

Frank Starling, 25, third officer on the steamship "Videlia," was sentenced by the Liverpool stipendiary on April 23, to pay a fine of £25 for being in unauthorised possession of 15 oz. of raw opium.

The Liverpool Pharmacy Club held the last dance of the season at the Yamed Café, on April 26. About thirty names had been sent in for the tennis section and the court will be opened at Wavertree next week. The club is circularising the trade in view of developments.

At the meeting of the Liverpool section of the Society of Chemical Industry, held, on April 27, in the Muspratt chemical lecture theatre of the University, Professor E. C. C. Baly warmly supported the suggestion of creating a hospitality fund from voluntary contributions. This fund would enable them to defray the expense of lecturers coming from a long distance, and also to entertain lecturers to the section.

Manchester

On May 9 a special prize presented by Mr. R. Hough, Hoseason & Co., Ltd., manufacturing chemists) to be played for by members of the Manchester Golfing Society at the Chorlton Golf Club. A second prize is to be given by the Society.

The second summer ramble of the Manchester, Salford, and District Chemists' Assistants' Association took place on April 29 in excellent weather. Proceeding by train to Prestbury, the party walked to Alderley Edge, arriving there to enjoy a late lunch. The afternoon was spent all too quickly rambling over the Edge, the copper mines coming in for a good deal of inspection. After tea the walk was resumed by Nether Mersey, and at a leisurely gait to Chelford, Manchester being reached about 9.30 p.m. The next excursion of the Association, via Poynton and Bawstones, will take place on Whit Friday.

Nottingham

The remark that qualified dispensers who had passed through the Nottingham University College were drawn the dole was made at a function the other day.

To the annual meeting of the Nottingham Section of the Society of Chemical Industry the secretary, Mr. M. Wilkie, reported that a desire for closer co-operation between the various chemical societies had grown rapidly since the war. It was felt that some arrangement should be entered into between the various societies to prevent the same work being done by a number of independent organisations.

A membership of 8,000 was disclosed at the annual meeting of Boots Health Insurance Society, held at Nottingham on April 26. Benefits have amounted to £793 5s. 8d. Mr. John Boot, who presided, alluded to the proposal to make each industry responsible for its own unemployed. It was obvious the present system was not satisfactory, and he favoured a scheme whereby firm and employees would contribute to their own unemployment fund, and under which there would be an incentive for the employer to get the unemployed back to work again as soon as possible.

Sheffield

Mr. W. Ross, chemist and druggist, has opened a pharmacy at 91 Meadow Street.

Several of the leading pharmacies are devoting a whole day to the display of Pears' soap, and some effective results have been obtained.

The latest report on local taxation shows that poor-law institutions paid during the past year to doctors, dispensers and nurses, £1,273.144; for domiciliary treatment, £309,068; for indoor drugs, medical and surgical appliances, £305,906; and home treatment (for drugs), £656.

In Sheffield County Court, on May 2, damages amounting to £3 18s. 8d. were awarded against John Walsh, for alleged injury to the hair of a Mrs. Fenn, who had gone to them for treatment known as "brightening." Dye was applied with, it was alleged, an unfortunate result.

Southampton

The business of Mr. C. H. Wilkins, chemist and druggist, 45 Adelaide Road, St. Denys, has been purchased by Mr. White, chemist.

Miss Robertson, chemist and druggist, has acquired the pharmacy of Mr. A. P. Nosworthy, chemist and druggist, 21, Park Road, Freemantle.

Miscellaneous

POISON-LICENCE APPLICATION.—E. Wigg, Watford, has applied to the local authority for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

SHOPPING WEEKS.—In the window-dressing competition held during the Ealing shopping week, which terminated on April 28, Mr. Thomas Marns, chemist and druggist, was highly commended for a display of Pears' soap in the class of "Things we use."—A shopping carnival is to be held at Shipley, Yorks, from June 7 to June 16.

INSTITUTE OF CHEMISTRY.—The pass-list for the April examinations of the Institute of Chemistry is as follows:—*Fellowship* (in branch of chemical engineering)—A. T. Grisenthwaite, A.C.G.F.C., B.Sc.; *Associateship* (in general chemistry)—P. J. Brady, H. J. Grayson, L. W. Gregory, G. Loasby, B.Sc., L. W. Morrison, H. W. V. Player, D. A. Smith, G. J. C. Vineall, B.Sc.

BRITISH ASSOCIATION OF DISPLAY MEN.—A lantern lecture illustrating the art of modern window-dressing will be given by Mr. H. Ashford Down (of Selfridge's) on May 17, at 8 p.m., in the lecture hall of the National Cash Register Co., Ltd., Tottenham Court Road, London, W.1. Admission free, with a silver collection in aid of the B.A.D.M. funds. The Association, we learn, is in debt as a result of an exhibition held last year, and Mr. Down is prepared to give his services on its behalf in connection with established trade organisations. He may be addressed c/o the Secretary of the Association, 43 Blandford Street, W.1.

ADMINISTRATION OF HUNGARIAN PROPERTY.—The Administrator of Hungarian property, Cornwall House, Stamford Street, London, S.E.1, has, with the sanction of the President of the Board of Trade, fixed June 30, 1923, as the final date by which proofs by British nationals of debts due to them by Hungarian nationals, or of pecuniary obligations of the Hungarian Government under Article 231 of the Treaty of Trianon, must be lodged with the Department in order to participate in the distribution of the funds arising out of the liquidation of the property, rights and interests of nationals of the former kingdom of Hungary transferred to or vested in the Administrator, who may extend the specified period in certain conditions.

CLOSING HOURS CRITICISED.—At the annual meeting of the Southern Counties Conference of the Manchester Unity of Oddfellows, opened at Brighton on April 27, the retiring President, in referring to matters of Health Insurance, criticised the attitude of chemists in the dispensing of National Health prescriptions. He said the re-arrangement of chemists' closing hours had not conducted to the more efficient working of the Insurance Act. In thousands of cases where insured persons had to leave home early in the morning for work, they had had to wait nearly twenty-four hours before they could take a dose. He was aware that urgent prescriptions could be dispensed the same evening on payment of a late fee, but the present state of affairs should not be allowed to continue. Either the doctors should be in attendance at their surgeries at 5 p.m., or the chemists should be prevailed upon to keep their shops open till 8 or 8.30 p.m.

Coming Events

Monday, May 7

Society of Chemical Industry (London Section), Engineers' Club, 39 Coventry Street, W.1, at 8 p.m. Annual meeting. Sir Frederic Nathan, K.B.E., will open a discussion on "The Action of Bacteria on Cellulosic Materials."

Tuesday, May 8

Ealing Pharmacists' Association, Eden's Restaurant, High Street, at 8.30 p.m. Annual meeting.

Wednesday, May 9

Retail Pharmacists' Union (Birmingham Branch), Imperial Hotel, Temple Street, at 8.30 p.m. Mr. T. Hardy (chairman of the Executive Branch) on "The Utility of the R.P.U." Members of neighbouring branches invited.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 p.m. Prof. W. A. Bone, F.R.S., on "Recent Developments in Surface Combustion."

Thursday, May 10

Chemical Society, Institution of Mechanical Engineers, Storey's Gate, London, S.W., at 8 p.m. "Bayer Memorial Lecture" By Prof. W. H. Perkin, F.R.S.

North London Pharmaceutical Association.—Annual meeting has been postponed.

Salford Pharmaceutical Association, 46 The Crescent. Annual meeting.

West Ham Association of Pharmacists.—Social and dance.

Irish News

Irish Ph.C.s and R.D.s

As a sequel to the discussion on registered druggists at the recent Council-meeting of the Pharmaceutical Society of Ireland (*C. & D.*, April 21, p. 542), letters of protest have been sent to the President of the Chemists' and Druggists' Society of Ireland (Mr. Fred Storey), and of these we give the chief points. Mr. Harry Millar, R.D., 12 Syringa Street, Belfast, writes:—

As a qualified R.D. since 1921, do claim the same treatment as any R.D., twenty years in business or not. Now it is my candid opinion that it was to suit the case of the "chosen few" that the remainder of the R.D.s are to get a "modified exam."; but they cannot see that they are being used as tools to this end. But when the eight or ten twenty years' men walk in with Ph.C., and they are left to pass five or a given number of years in "stewing" for an examination, modified or the present pharmaceutical final, then, perhaps, they will wake up.

I suggest that you or your Committee send out another "circular" calling a meeting of all R.D.s qualified up to the last examination to hear what the 1922 and 1923 man has to say to this nice arrangement.

Mr. W. J. Farmer, R.D., 88 Palmer Street, Belfast, writes:—

I strongly protest against the treatment the R.D.s who qualified within the last few years are about to be subjected to by the proposals put forward by the R.D. Committee who, I understand, are all over twenty years on the Register, and as far as I can see the proposals were drawn up to suit their own case. . . . I for one don't see why R.D.s who are twenty years on the Register should become chemists and the balance trampled in the mire. . . . I know several R.D.s in business, including myself, who never received one [of the circulars]; as far as I can see it was only those in favour of the proposals and the required time to come under same that received circulars, so I don't see how they could draw up proposals for all the R.D.s. This question is not a matter for half a dozen R.D.s who happen to be on the register for twenty years, but should be decided by a committee of R.D.s who will bring forward proposals to suit all. . . . I would suggest you call a meeting of all R.D.s who have passed up to the present date, so that this matter can be settled or else drop it for all time.

Brevities

Prior & Co., Ferryquay Street, Londonderry, have been appointed chemists to the Duke of Abercorn, K.P., Governor of Northern Ireland.

Death from poison taken while in a state of temporary insanity was the verdict at the inquest on Mrs. Ellen Ruane, a young married woman, of Ballinruane, Ahascragh, County Galway, who died from drinking salts of lemon. Vitriol taken by mistake caused the death of Susan Doherty, Belfast. A verdict in accordance with the evidence was returned at the inquest.

Mr. J. McD. Gorman, Ph.C., Bangor, Co. Down, had a narrow escape from death on April 28 during a motor-cycle speed trial at Clandeboyne. A competitor lost control of his machine, which dashed into a ditch and struck Mr. James Gorman, who was one of the stewards. Another young man was killed on the spot. Mr. Gorman was treated at the Bangor Hospital for injuries to the arm and legs.

The Government of Northern Ireland is considering the introduction of a Bill to minimise the methylated spirit drinking evil. One prominent member of the drug-trade says the Government will do as other Governments do. They will restrict the wrong people. No one goes to a reputable firm to purchase methylated spirits for consumption. It is just the same in centres where there is illicit trade in cocaine, opium, and the like. These are not bought from chemists or druggists of repute. So far as methylated spirit is concerned, the steps taken should deal with those who are actually engaged in illicit trade and making considerable profits. It cannot affect chemists who have nothing to do with this trade at all. Chemists generally, and of their own accord, restrict the sale of this commodity by adding some-

thing to make it less potable and by asking the purchaser to sign a special receipt.

Belfast

Responding to the toast of "Prosperity to Belfast" at a recent banquet by the Advertising Club of Ulster, Mr. J. C. Culbert, M.P.S.I., President Belfast Chamber of Trade, said there was, at present, the very evident desire to co-operate in "boosting" the trade of the country after a period of unexampled depression. This applied to all sections of trade—manufacturers, distributors, importers, and exporters. The question of valuation was going to be a very serious one in the near future. There had been several instances where improvements were made in premises, and valuation was immediately increased. In one case it had been increased by £2,000 for an outlay of £200.

The Corporation of Belfast has adopted a scheme for the treatment of venereal diseases under the Regulations (Ireland—County Boroughs) 1917 for the year ending March 31, 1924, which provides that druggists and other co-operating in the scheme, or supplying requisites for the purposes thereof, shall be allowed the actual cost incurred in accordance with the scheme of (a) postage and conveyance of specimens and reports thereon to and from bacteriologist; (b) salvarsan or its approved substitute for distribution to medical practitioners; (c) printed record books, leaflets of instructions, etc.; (d) outfit appliances for conveyance of blood, etc.; (e) miscellaneous requirements, subject to a maximum of £50 per annum.

Dublin

On April 29 the premises of Hayes, Conyngham, Robinson, Ltd., were injured by the land-mine explosion outside a drapery stores in Rathmines, Dublin.

On April 27, the windows of Hamilton Long & Co. Ltd., in the Lower Sackville Street shop, were smashed by the explosion of a land mine which had been placed in the thoroughfare.

In the King's Bench Division, Dublin, on May 1, the case of Areco, Ltd., manufacturers, London, v. McElhinney's Pharmacy, 115 Morehampton Road, Dublin, was listed on an application on behalf of the defendants for an order that the action be remitted to the Recorder of Dublin. Mr. Hugh McElhinney, manager of McElhinney's Pharmacy, stated in an affidavit that the action was brought against the defendants to recover £5 17s. 6d., alleged to be due for goods sold and delivered. On January 8 the plaintiffs served a writ against the defendants for £8 8s., for goods supplied to and including November, 1921. But he had on January 6 paid the amount of this account. Mr. Hungerford, who appeared for the defendants, said that the plaintiffs consented to an order remitting the action, and Mr. Justice Dodd made an order accordingly.

Scottish News

Brevities

Mr. W. D. McDavid, chemist and druggist, has opened a business in Paisley Road, Glasgow.

Mr. R. Speedie, chemist and druggist, has been appointed to supply drugs, etc., to Crieff Town Council.

The Rev. John Gordon, D.D., Dean of the Theological Department of Temple University, Philadelphia, recently celebrated his eightieth birthday, carried out by a young man, a druggists' shop in Leslie, Fife.

The Edinburgh Pharmacy Athletic Club held an enjoyable social in the Central Hall on April 30, presided over by P. K. Brown presiding over a large and appreciative audience. The following artists contributed to the programme:—Misses Macrae, Fraser, Mackenzie and Atkinson; and Messrs. Worling, Brown and Pringle. The founder of the club, Mr. J. P. Gibbs (Raines, Clark & Co., Ltd.), gave a glowing account of the progress of the association since its inauguration in 1892. The newly appointed secretary is Mr. Newton Graham.

Chemists' Golfing Events

The first open meeting of the London Chemists' Golfing Society for the season was held at Old Fold on April 26. The first round was medal play for the Arthur H. Cox prize, and resulted as follows:—

A. W. Daniel .. 86-18 = 68	Mr. A. Harries .. 99-13 = 86
(winner)	
D. J. Parry .. 85-10 = 75	Mr. H. Bartlett .. 89- 2 = 87
G. F. Deeth .. 89- 8 = 81	Mr. J. Watson .. 95- 8 = 87
C. A. Macdonald 86- 3 = 83	Mr. W. Main .. 91- 4 = 87

The second round was against bogey for the Hepburn field, which was won by Mr. E. Beaton, all square. Forty players took out cards.

The competition for the Scottish Chemists' Golf Trophy, to be held at Gleneagles on May 16, is causing widespread interest in Scotland, as is evidenced by the fact that more than ninety entries have been received. The names (to date) and times of starting are as follows:—

10 .. J. Stewart, Auchterarder	v. J. Bell, Glasgow.
13 .. E. Blyth, Govan	v. W. McDavid, Glasgow.
16 .. Owen Dewar, Greenock	v. A. Saunders, Glasgow.
19 .. D. Duncan, Glasgow	v. J. Caldwell, Glasgow.
22 .. D. S. Philp, Edinburgh	v. R. Jack, Glasgow.
25 .. J. Anderson, Glasgow	v. R. Marshall, Grangemouth.
28 .. J. Finlay, Edinburgh	v. K. Stewart, Carnoustie.
31 .. J. A. Gray, Bainsford	v. J. Brunton, Perth.
34 .. A. Fraser, Bo'ness	v. A. Watt, Glasgow.
37 .. C. A. Michie, Aberdeen	v. C. Duncan, Dundee.
40 .. T. McMaster, Glasgow	v. K. J. C. McLennan, Edinburgh.
43 .. B. Christie, Glasgow	v. A. J. Adamson, Kirkcaldy.
46 .. M. Scott, Bonnyrigg	v. A. McEwan, Cathcart.
49 .. J. P. Gibb, Edinburgh	v. W. Sievwright, Glasgow.
52 .. H. Grierson, Glasgow	v. G. D. Lunan, Edinburgh.
55 .. G. Mackay, Glasgow	v. A. Scott, Cambuslang.
58 .. D. S. Gowans, Glasgow	v. W. Garrow, Glasgow.
1 .. W. Stewart, Dundee	v. J. M. Hart, Glasgow.
4 .. M. Hamilton, Paisley	v. J. Morrison, Inverness.
7 .. G. Baxter, Edinburgh	v. J. Anderson, Dundee.
10 .. J. Houlston, Glasgow	v. A. J. Clark, Edinburgh.
13 .. W. Thomson, Glasgow	v. J. F. Robertson, Alva.
16 .. A. E. Kelly, Edinburgh	v. A. McSweeney, Glasgow.
19 .. W. Shaw, Greenock	v. D. McGeorge, Coupar Angus.
22 .. T. Johnstone, Glasgow	v. A. Taylor, Glasgow.
25 .. W. W. Wilson, Glasgow	v. W. McMaster, Glasgow.
28 .. J. P. Ferric, Dundee	v. A. Calder, Glasgow.
31 .. C. Allardyce, Dundee	v. J. Brown, Glasgow.
34 .. R. D. Douglas, Edinburgh	v. C. Stephen, Dundee.
37 .. J. Erasmussen, Glasgow	v. G. McLennan, Glasgow.
40 .. D. G. McKensize, Glasgow	v. J. Michie, Aberdeen.
43 .. J. Abbott, Glasgow	v. J. Robertson, Dundee.
46 .. W. S. Culbert, Airdrie	v. G. Michie, Glasgow.
49 .. A. Milburn, Tayport	v. Dan McKenzie, Glasgow.
52 .. L. Traub, Barrihead	v. R. Graham, Glasgow.
55 .. H. S. Culbert, Airdrie	v. Stuart Wood, Prestwick.
58 .. D. Dick, Govan	v. G. McDonald, Glasgow.
1 .. A. M. Chisholm, Glasgow	v. W. Key, Kirkcaldy.
4 .. J. J. Stone, Portobello	v. J. Logan, Glasgow.
7 .. D. W. Forster, Dunblane	v. G. H. Clarke, Falkirk.
10 .. A. J. Barrie, Dundee	v. W. Moffat, Glasgow.
13 .. J. Ferguson, Dundee	v. A. Smith, Falkirk.
16 .. G. Reidford, Glasgow	v. J. Robertson, Edinburgh.
19 .. P. M. McDonald, Barrhead.	v. J. Simpson, Glasgow.
22 .. G. Graham Davidson, Edinburgh.	v. Peter Taylor, Larbert.
25 .. J. Walker, Stirling	v. Dr. Davidson, Alva.
28 .. M. Macfarlane, Forfar	v. —

The third match played between the Manchester Pharmacists' Golfing Society and the Liverpool Pharmacists' Golfing Society took place at Huyton Golf Course on April 25, Manchester, winning by nine matches against Liverpool. The following were the results:—

Manchester.		Liverpool.	
A. Collins (Captain) ..	1	A. Fairbairn (Captain) ..	0
O. Owens ..	0	S. F. Alder ..	1
D. Aves ..	0	A. F. Jewell ..	1
D. Guest ..	1	S. S. Halford ..	0
G. Edwards ..	1	W. A. Wynne ..	0
Miller ..	0	J. M. Tallantyre ..	1
H. Turner ..	0	J. G. Duncan ..	1
S. Bury ..	1	F. B. Derriek ..	0
N. Fox ..	0	C. H. Wherley ..	0
J. Gardner ..	0	F. C. Cooling ..	0
Woodhead ..	0	E. B. Brigham ..	0
H. Franklin ..	1	H. Jones ..	0
S. Breese ..	0	T. M. Lloyd ..	1
H. Nidd ..	1	J. Banks ..	0
Dickson ..	1	C. Cooke ..	0
A. Irvais ..	1	D. H. Evans ..	0
Cromack ..	0	W. Hunt ..	1
Balf ..	0	G. H. Coie ..	1
	9		7

After high tea (provided by the Liverpool team for their visitors), Mr. Alder, captain of the Liverpool team, said he was sorry they had not won, but evidently the Manchester boys were too good for them at present, and it behoved Liverpool to make still greater efforts in the future. It had been a good match, and he congratulated Manchester on their victory. Mr. A. J. Pidd, President of the Manchester society, said, in reply, that they all thoroughly appreciated the sportsmanlike spirit



Photo]

[Cleworth

of their opponents, and on behalf of all the members he thanked them for the splendid manner in which they had entertained them. He wished the Liverpool society every success, a remark which was received with loud applause. Mr. J. H. Nidd appealed to the members present to exert all their influence for the candidature of Mr. E. H. Simmons at the forthcoming Council election.

Retail Pharmacists' Union

Birmingham.—The Birmingham Branch held a Committee meeting recently, Mr. H. H. Marshall in the chair, at which it was decided to invite Mr. T. Hardy (Chairman of the Executive) to address the members at the Imperial Hotel on May 9. The report of Messrs. H. Buckingham and G. Knowles, official delegates to the London Conference on March 21, was discussed.

Bournemouth.—At a meeting on April 13, Mr. Hubert J. Martin in the chair, an interesting address was given by Mr. F. J. Baker, President of the Bournemouth Chamber of Trade, whose general remarks on trade organisation were elaborated in detail by Mr. Plomer. It was unanimously decided that this Branch should become affiliated to the Bournemouth Chamber of Trade.

Croydon.—Mr. Mallinson delivered an address to the Croydon Branch on April 10, his subject being *Chemists' Risks*. He covered the whole field from the personal risks run by pharmacists in their business, the risks run under the many Acts of Parliament, to the risks through dispensing errors. The advantages of protection given by the C.D.A. and the saving of premiums through the newly-formed Insurance Company were pointed out. Answering questions, Mr. Mallinson said that everything possible would be done to protect the title "chemist." A hearty vote of thanks was proposed by the President (Mr. Perkin) and seconded by Mr. Griffiths.

Ealing.—A local branch was formed recently, Mr. T. Marns being elected *Chairman* and Mr. H. R. Storm *Secretary*.

Leamington.—A meeting of the No. 39 Branch was held on April 26, when Mr. Nundy reported on the recent Conference held in London. A vote of thanks was accorded Mr. Nundy, and he was further elected to represent the branch at the forthcoming meeting at Shrewsbury on May 10. The question of fixing the retail price of methylated spirits was referred back for fuller information. The Chemists' Mutual Insurance Co. appealed for better support from members, and a report was received from the secretary as to the action taken concerning unprofitable proprietaries, and its result.

Legal Reports

Medicine Stamp Act Case.—At West London Police Court, recently, John Wright, herbalist, All Saints Road, W.11, and Harriet Wright, his wife, were summoned for having sold an ointment on which the stamp duty had not been paid. Mr. Harrington, prosecuting, stated that the box purchased at the defendants' shop by the officer bore no stamp, and was sold at 9d. Boxes sold at 1s. 6d. did bear a stamp. The ointment was recommended by pamphlet, the box bearing no indication of the cure of any complaint. Mr. Foakes, for the defendants, said they had been in business as herbalists for twenty years, and, as these boxes were samples, they did not consider that the stamp was necessary. In any case, Mr. Foakes argued, the husband could not be held responsible, as he was not in the shop at the time of the sale. The magistrate dismissed the case against Mr. Wright, and ordered Mrs. Wright to pay £2 2s. costs.

Dispensing Tested.—At the South-Western Police Court, London, on May 1, Mr. Francis Dudley Finn, chemist and druggist, 529 Battersea Park Road, S.W., was summoned for dispensing a prescription incorrectly. Mr. Cauldwell, prosecuting for the Battersea Borough Council, said the mixture was deficient in potassium iodide to the extent of 17 per cent. Mr. H. Glyn-Jones, barrister, for the defendant, said he could not deny there was a small deficiency, but it was through causes unavoidable. The 8-oz. medicine bottles used, he said, for the mixture varied in size, and the capacity of the one under review exceeded that number of ounces. Though the medicine contained the full drug prescribed by the doctor, counsel suggested the additional water used for filling the bottle helped to alter the proper proportions. Dr. W. Grean Stone, called for the defendant, did not regard the deficiency of any great importance. Mr. Cauldwell said the prescription, one of many, was the only one returned inaccurate. The magistrate imposed a penalty of 40s., with £3 3s. costs.

Trade-mark Appeal.—In the Chancery Division of the High Court, London, on May 1, Mr. Justice Eve delivered judgment in the action in which Taylors' Drug Co., Ltd., Leeds, had sought to register an ointment to which they wished to apply the word "Germoece" (*C. & D.*, April 14, p. 504). The application was opposed by Lady Veno and the Veno Drug Co., Ltd., on the ground that their word "Germolene" had become distinctive of goods sold by them. The Homoece Co. also objected on the ground that the suggested word might be confused with the word "Homoece." The matter came on by way of appeal by Taylors' Drug Co. from the refusal of the Registrar of Trade-marks to register the word they applied for. His lordship, giving judgment, said the words "Germolene" and "Homoece" had been largely advertised and used for many years without confusion, and the real question was whether the proposed description of "Germoece" could be likely to cause confusion. His lordship agreed with the Registrar that the applicants' name was likely to cause confusion, and the appeal was dismissed, with costs.

"Baines' Dielectric."—In the Court of Appeal, on May 1, the case of Coflux, Ltd., v. Baines' Dielectrics, Ltd., and Arthur Edmund Baines, came before the Master of the Rolls and Lords Justices Warrington and Younger, upon the appeal of the defendants from the order of Mr. Justice Romer in the Chancery Division (*C. & D.*, April 21, p. 538), so far as it directed that the defendants should each of them be restrained until the trial of the action or further order from passing off as, and for the goods of, the plaintiffs, a secret remedy not being of their manufacture, by means of the words, "Baines' Dielectric" or any words inducing or calculated to induce the belief that the goods of the defendants or either of them were the goods of the plaintiffs. Mr. Hughes, K.C., and Mr. Draper appeared for the appellants; and Mr. Cunliffe, K.C., and Mr. Moritz for the respondents. Mr. Hughes, after giving a

résumé of the case, said there was no doubt that the obligations under the agreement between Mr. Baines and Deions, Ltd., were interdependent, and that the liquidation of the company put an end to any personal obligation which Mr. Baines was under to the company. Coflux, Ltd., made up their mind that it would suit them to sell under the name of "Coflux" instead of "Baines' Dielectric"; they registered the names of "Coflux" and "Cofluxol" as trade-marks, and they advertised that these three preparations, viz., "Baines' Dielectric," "Baines' Dielectric Emulsion," and "Baines' Dielectric Unguent," would only be procurable through chemists and well-known stores under their respective new trade-marks. The plaintiff company had, said counsel, sold the preparation under the registered names of "Coflux" or "Cofluxol." His point was that when the defendants sold under the name of "Baines' Dielectric," and plaintiffs under "Coflux" or "Cofluxol," nobody would think that the things were the same. There was not the slightest resemblance in "get up," and the sole question was whether the defendants, selling under the name of "Baines' Dielectric," would lead people to believe that what they were selling was manufactured by the plaintiffs. He submitted that, in any event, it was not a proper case for an interlocutory injunction. Mr. Cunliffe, K.C., on behalf of the plaintiffs, supported the judgment of Mr. Justice Romer. Plaintiffs had not given up the use of the name "Baines' Dielectric," and those words still appeared on their bottles and circulars, which showed that the plaintiffs desired to preserve their right to the use of that name. Their lordships discharged the injunction granted by Mr. Justice Romer, on the defendants undertaking to keep an account, and suggested that the plaintiffs should apply for a speedy trial of the action. It was also directed that the costs of the appeal should be the defendants' in the cause.

Abdominal Belt Patent.—The Court of Appeal (consisting of the Master of the Rolls and Lords Justices Warrington and Younger) delivered judgment on May 2 in the case of H. E. Curtis and H. E. Curtis and Son, Ltd., v. R. H. Heward & Co., upon the plaintiffs' appeal from the judgment of Mr. Justice Astbury in the Chancery Division in favour of the defendants, surgical instrument makers, Crown Road Works, Twickenham (*C. & D.*, April 21, p. 538). The plaintiffs brought the action for an injunction (and ancillary relief) to restrain the defendants from infringing their letters patent granted in 1910 for an invention relating to abdominal supports. The defendants denied infringement, and pleaded that the plaintiffs' patent was invalid for want of novelty and subject-matter. The Master of the Rolls, in giving judgment, said the action was for infringement of the plaintiffs' patent for abdominal belt supports for medical and surgical purposes. There was, he thought, no question about the infringement, and that question was not raised in that Court. The real question was whether the plaintiffs' patent was valid, or whether it was, for want of subject-matter, invalid. Mr. Justice Astbury had held that the patent was invalid, and therefore the question the Court had to decide was whether the judgment of the learned Judge ought to be supported or not. It appeared that the eminent surgeon, Sir William Arbuthnot Lane, had for some time been on the look-out for a successful abdominal belt, and it was said had made suggestions as to that to the plaintiff, Mr. Curtis. There were various devices and inventions which had attempted to solve the problem which Sir William had in mind, but had not done so, at any rate to his satisfaction. What Sir William wanted was quite clear. He said he wanted, and that it was vital he should have, a belt so arranged that it would move with the action of the body. Whether he told that to Mr. Curtis was not quite clear, but he (the Master of the Rolls) was inclined to think he did not, because there was not a trace of that quality attaching to the apparatus in the specification. It seemed that in that specification there was no mention of what Sir William Lane described as the vital part of the invention, and it was for that reason he thought it was doubtful whether the problem Sir William had in his mind was mentioned to the plaintiff.

Having read the material portions of the plaintiff's specification and the claim, his Lordship said the question was whether there was any invention in the arrangement of hinging the two plates. In his opinion, there was no invention in what the plaintiff had done, and that there was no subject-matter for the patent. He thought the appeal failed, and should be dismissed, with costs. Lord Justice Warrington concurred, and was of opinion that the action in claim I. of the plaintiff's specification clearly came within the "S. & O. Belt" patent. Lord Justice Younger also concurred, and the appeal was accordingly dismissed, with costs.

A Contract Dispute.—In the King's Bench Division of the High Court, London, on April 26, Mr. Justice Roche heard an action brought by Eck & James, manufacturing chemists, Angell Road, S.W., against Mr. Thomas Oliver. Mr. Crouch (with whom was Mr. Slessor), for the defendant, said a claim made by plaintiffs was admitted. The action had been brought by the plaintiffs against defendant for goods sold and delivered, and a small amount for rent. The original proceedings were begun in the County Court, and they were removed to the High Court on the defendant's application. The claim was admitted so far as the goods sold and delivered and rent were concerned, but there was a counterclaim for £1,000. The essence of the counterclaim was an alleged breach of contract by the plaintiffs to deliver certain goods. Mr. Oliver was a merchant, and he conceived the idea of putting on the market frozen or solid eau de Cologne. He approached the plaintiffs to manufacture it; certain supplies were made, amounting to the value of £103, and the breach alleged was a refusal by the plaintiffs to deliver any more goods. The plaintiffs denied that they broke the contract. Mr. Hohler, K.C. (with him Mr. Forster), for the plaintiffs, stated that they further said they were willing to deliver under the terms of the contract, and that the defendant gave them no orders and had not bought in a commercial sense. Mr. Oliver, giving evidence, said that in August 1921 he conceived the idea of bringing out the eau de Cologne; he approached the plaintiffs and entered into a contract for them to manufacture the goods for him. The original price was 22½ per cent. above the cost price to them. It was part of the agreement that the plaintiffs should obtain bottles and caps from Germany, because they were going to be about a quarter of the English price. That scheme did not fructify, as the plaintiffs were not able to get deliveries of the bottles. Plaintiffs found that English manufacturers could make bottles quickly and deliver them, and plaintiffs said they would work on a 15 per cent. margin. Later they asked him if he would purchase and supply the bottles, and they would work on a 10 per cent. margin; he agreed. Cross-examined, witness said that the plaintiffs had a standing order. Why they ceased to deliver he did not know; he never asked them to stop. Mr. Eric B. James, a partner in the plaintiff firm, giving evidence, said that his firm were never short of bottles if Mr. Oliver had been prepared to pay the price. Mr. Oliver would vary orders, ordering a gross one day, and cutting that quantity down the next day to three dozen. Cross-examined, witness admitted that on a certain occasion he became "heated," and speaking on the telephone refused to supply defendant with a certain five gross; but he did not indicate that they were not going to do any more business with Mr. Oliver. Mr. Justice Roche said that it had not been an easy case in which to arrive at the facts, but he was clear as to his decision. The claim by plaintiffs was for £59 9s. 10d., the price of goods delivered to the defendant. Defendant based his counterclaim on an allegation that there existed a contract under which the plaintiffs were bound to supply him with frozen eau de Cologne at certain prices and on certain terms for an indefinite period. The defendant failed because he failed to establish the 10 per cent. agreement, which he must establish to succeed, and because he was not ready and willing to perform any other agreement. There would be judgment for plaintiffs for £59 9s. 10d. on the claim, and for the plaintiffs on the counterclaim, with costs.

Sale of a Chemist's Business.—In the King's Bench Division, London, on May 2, Mr. Justice Swift heard an action by Mr. Albert F. Tait, 30 Walbrook, London, E.C., against Mr. Sidney Horatio Marshall, Belmont, Surrey, in which the plaintiff claimed damages for breach of contract in connection with the sale by the defendant to the plaintiff of the Walbrook Pharmacies, Ltd., 30 Walbrook, E.C. Mr. Vachell, K.C., for the plaintiff, explained that Mr. Tait was in January 1920 manager for Mr. Truman, who carried on a chemist's business in Bucklersbury. He had a friend named Dyble who said he had heard that the Walbrook Pharmacies were for sale. That business was carried on by defendant, and Mr. Dyble arranged a meeting. The result was that an agreement was entered into in January 20 between the defendant and Mr. Dyble, acting for plaintiff, to the effect that the plaintiff should pay £750, and in consideration of that payment the defendant agreed to assign the business and leases or under-leases of 30 Walbrook, together with an option which he (defendant) had for a further seven years of the premises at a rent of £200 a year. Plaintiff paid the sum and went into the business, but after two years, when the lease expired, he found that the defendant had not taken up the option of getting the lease for a further seven years as he had agreed. In fact, defendant now said he had no such option, and only promised to try to get an extension of the lease. The result was that plaintiff had had to negotiate for the renewal of the lease, and to get it he had had to pay a rent of £350, which was £150 more than before. It was upon that increased rent that the damages claimed would be based. Giving evidence, Mr. Tait said that when the lease was about to expire he wrote to defendant's solicitors that they should get the option for the renewal of the lease, and they said they had written to Mr. Marshall half a dozen times. Finally, he had to negotiate with the landlady himself and he got the lease renewed for seven years at £350, with an option of renewal until 1946. He was first asked £400 a year. Cross-examined by Mr. Campion, K.C., for the defendant, plaintiff denied that Mr. Dyble was the real purchaser, and that he (plaintiff) as the practical chemist was to manage the business for Mr. Dyble. It would be wrong to say that Mr. Dyble was present when the final completion of the agreement took place. Dyble's name was on the agreements as witness's agent, and because witness desired it not to be known too soon that he was going to carry on the business. The price might have gone up had the defendant known he, as a chemist's assistant, was going to buy the business. He certainly would not have purchased the business if he had not thought the defendant could get the renewal of the lease. Mr. S. Dyble, ship's foreman, also gave evidence, stating that he opened the negotiations with Mr. Marshall on plaintiff's behalf, and as plaintiff's agent. He had no interest in the business, and it was not a fact that he bought it, that Mr. Tait should manage it or that he gave anybody that impression. Mr. Frank Wilton Truman, chemist and druggist, said that in January 1920 plaintiff was his manager in Bucklersbury. He was giving up his business there, and voluntarily lent plaintiff £442 to assist him to buy the defendant's business. At this stage a settlement was reached, Mr. Campion stating that terms satisfactory to the plaintiff and the defendant had been agreed between them, and would be endorsed upon counsel's briefs. Therefore, the record would be withdrawn. His lordship said the settlement was satisfactory. It was evident that Mr. Marshall promised the plaintiff something he thought he had or could get, but when the time came for keeping that promise, he found he could not get the further lease. Consequently, Mr. Tait had to pay for that extension of the lease, and was entitled to get damages.

CATASTROPHIC!—According to the American Chemical Society, the New York Society for the Prevention of Cruelty to Animals, which has been asphyxiating stray cats in large numbers, has had explosions caused (one of them serious) by dropping a basket full of cats into illuminating gas. Electricity was generated in sufficient quantity to explode the gas in contact with air.

Dangerous Drugs Act Cases

At Birmingham Police Court, on April 24, Curtis Surgical Appliances, Ltd., Hill Street, were summoned for being in possession of tincture of opium of a greater strength than was permitted without a licence. Evidence was given to the effect that when the premises were visited in November last a 20-oz. bottle was found in which was 13 oz. of tincture of opium. Mr. W. T. Rigby, analyst for the county of Warwick, said that the morphine content of the tincture was 1 per cent., and only one-fifth of that quantity was permitted. Mr. Willison, defending, submitted that the company could not be convicted for this offence. The penalty was a fine or imprisonment, or both, and the defendants had a right to elect to go for trial, whereas it had been held that a limited liability company could not be sent for trial. The magistrate held that he was entitled to fine the company. Mr. Willison pointed out that this case arose out of another charge against Harry Key, who was acquitted at the Birmingham Assizes, and that Key was a qualified chemist and entitled to have articles of the description mentioned under certain circumstances. A fine of £10 was imposed.

At Plymouth Police Court, on April 26, Mr. W. R. W. Bull, chemist and druggist, 12 Hyde Park Terrace, was summoned for having failed during the past six months to enter or cause to be entered in a register kept for that purpose all supplies of drugs purchased or otherwise obtained by him, and all dealings in drugs effected by him, as shown in Schedule 1 of the Dangerous Drugs Act, 1920. He pleaded "Guilty." Mr. J. L. Wolferstan, prosecuting on behalf of the police, said that in the register of wholesale purchases kept by the defendant no entries of purchases of cocaine had been made in the past twelve months, and in the retail book no entries had been made for the current year. On March 31 these irregularities were brought to Mr. Bull's notice, when it appeared that since December last he had had 11 oz. of cocaine hydrochloride from an Exeter firm, of which there was no record. Subsequent inquiries elicited the fact that during the past twelve months he had purchased from Mr. Barge cocaine amounting to 2,622 gr., and from Mr. U'Ren 1,140 gr., a total of nearly 8 oz. Evidence was given by Detective-Inspector Hutchings in support of the opening statement. The slips of paper handed to him as the rough records kept by the defendant's wife were in the defendant's writing, he said, and in one instance a date had apparently been altered from 1922 to 1923. Witness had made inquiries of Breeze & Co., chemists, and produced a list of drugs supplied by them to the defendant from October 1922, to April 9, 1923. Among those supplied in January were 1 lb. of liquor morphinæ hydrochloridi, 1 lb. of tincture of opium, and 4 oz. of Nephent. For the defence, Mr. Spear said that the defendant was a qualified pharmacist, who for twenty-five years had maintained an unblemished record, but he was bound to admit that the registers were not as they should have been. As regarded the wholesale register, however, he could have produced at any time a list of his purchases from his duplicate orders, his invoices, or the wholesalers would have supplied him with a list of his orders, while the police had power to obtain that information from them. There was no question of anything having been hidden; in fact, until March 23 there was a book which contained details of two of the prescriptions and details daily of what had been supplied from them to the customers whose names were given in the book. There was no suggestion that any unauthorised supply or sale had taken place. After retiring, the magistrates intimated that they had to look upon that case in a very serious light indeed. It appeared to them that an offence so long continued could not be committed by inadvertence; but, as it was the first case under the Act heard in that court, they had come to the conclusion that the circumstances would be met by imposing a fine of £100, with £5 5s. costs. A month was allowed for payment.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 29, 1922	Mar. 29, 1923	Apr. 30, 1923
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord...	20 6	20 9	20 9
Apollinaris and Johannis, Ord. £10...	15 0	17 6	20 0
5% Pref. £10	35 0	50 0	61 3
Ash "Claudius", Sons & Co., Ord. ...	11 6	17 3	20 6
Ayrton, Saunders & Co., 7½% Pref.	14 3	16 3	16 6
Bell (John) & Croyden, 10% cum. Pref.	15 6	15 0	15 3
Benger's Food, Ord.	37 9	38 6	39 6
Boake (A.), Roberts & Co., 5% Pref. £10	£6½	£6½	£6½
Boots Pure Drug, 7% "A" Prefd. Ord.	22 6	22 3	22 3
7% "B" Prefd. Ord.	22 6	22 3	22 3
Boots Cash Chemists (Eastern), 6% "A" Pref...	20 6	20 3	20 3
Boots Cash Chemists (Lancashire), 6% "A" Pref...	20 6	20 3	20 3
Boots Cash Chemists (Southern), 6% "A" Pref...	20 6	20 3	20 3
Boots Cash Chemists (Western), 6% "A" Pref...	20 6	20 3	20 3
Borax Consol., Defd. Ord.	36 3	37 6	39 9
Bovril, 6% Pref.	21 6	22 6	22 9
Ord. ...	23 3	24 0	25 3
Defd.	21 6	26 3	29 3
British Cellulose & Chemical Ord. ...	9 0	10 6	14 0
7½% Pref.	12 6	14 0	15 0
British Cyanides, Ord.	20 0	29 3	29 6
British Dyestuffs Corp., 7% Pref...	7 9	10 6	10 9
Prefd. Ord.	4 9	7 3	6 9
British Glues and Chemicals, Ord. ...	5 0	6 3	6 3
8% Pref.	14 9	15 0	15 3
British Oil and Cake Mills, Ord.	27 3	30 6	31 6
British Oxygen, Ord.	40 0	42 6	45 0
Brunner Mond, Ord.	37 3	43 0	43 9
7½% Pref.	27 3	28 3	29 0
Bush (W. J.) & Co., 5% Pref. £5	65 0	67 6	67 6
Cadbury Bros., 6% Pref.	23 1½	23 0	23 0
Callard, Stewart & Watt, Ord.	22 6	24 0	23 9
5½% Pref.	16 3	17 0	17 0
Crosfield (Joseph) & Sons, 6½% Pref.	19 6	21 6	21 6
De Trey & Co., Ord.	16 0	19 0	22 0
Eastman Kodak, Com. (No Nominal Value) ...	\$95	\$117½	\$121
6% Prefd. \$100	\$120	\$120	\$122
Evans Sons Lescher & Webb, Ord...	7 0	8 0	8 0
5% Pref.	10 3	9 0	10 9
Field (J. C. & J.), Ord.	16 3	15 7½	16 6
7% Pref.	19 6	20 1	21 0
Idris & Co., "A" Ord.	10 0	10 0	10 0
Ilford, Ltd., Ord.	21 3	21 9	22 6
6% Pref.	18 9	18 3	18 9
Kent (G. B.) & Sons, 5½% Pref.	15 0	15 0	15 0
Knight (John), 25% Prefd. Ord.	57 6	60 6	62 6
Lever Bros., Ltd., 7% Pref.	20 7½	21 9	23 1½
8% Pref.	19 4½	21 0	21 9
20% Prefd. Ord. 5s.	10 9	11 7½	11 6
Liebig's Ext. of Meat, Ord. £5	£13½	£14½	£14½
Magadi Soda, Ord.	4 0	2 6	2 6
Mellin's Food, 6% Pref.	11 3	11 3	11 3
Mond Nickel Co., Ord.	31 3	41 3	42 6
7% Cum. Pref.	24 3	24 0	25 6
Nathan (Joseph) & Co., 7% Pref.	19 3	17 6	17 0
8% Prefd. Ord.	18 3	15 6	14 0
National Drug and Chem. Co. of Canada, 6% Pref.	17 6	17 9	18 3
New Transvaal Chemical Co., 6% Pref.	18 0	18 3	18 0
8% Pref.	19 4½	21 3	21 3
Salt Union, Ord.	19 9	23 6	22 9
Pref.	23 6	25 6	23 9
"Sanitas," The, Co., 9% Pref.	22 6	23 0	22 6
Schweppes, Ltd., Ord.	17 6	19 0	20 0
Defd.	9 6	11 3	12 6
Smith (Stephen) & Co., 6% Pref.	28 9	29 0	28 0
Southall Bros. & Barclay, Ord.	44 0	51 9	40 0
5% Pref.	18 6	18 0	19 0
Spratt's Patent, Ord.	35 0	48 9	50 0
United Alkali, Ord.	27 0	39 0	43 9
United Glass Bottle Man., 7% Mt. Deb. Stk. £100	£85½	£90	£90½
Venesta, Ltd., Ord.	17 6	18 3	15 3
7% Pref.	17 6	17 0	16 6
Virol, Ltd., 7% Pref.	20 9	22 6	22 3
White (A. J.), Ltd., Ord. 10s.	4 6	6 9	6 3
White (R.), & Sons, 6% Pref.	13 3	13 9	15 0
Prefd. Ord. 10s.	4 6	6 0	5 6
Wright, Layman & Umney, 6% Pref.	19 6	18 9	18 9

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

ARTISTIC AND EXPERT BUILDING CO., LTD (P.C.).—Among the objects for which the company is formed is to carry on the business of chemists. R.O.: 4 St. Andrew's Road, Walthamstow.

NATH, LTD. (P.C.).—Capital £450. Objects: To carry on the business of chemists and druggists, drug merchants, and general storekeepers. R.O.: 3 Royal Parade, London Road, West Croydon.

HAM FRITH CHEMICAL CO., LTD. (P.C.).—Capital £1,000. Objects: To acquire the business carried on by A. E. Ramsey at 17-18, Bridge Road and Railway Place, Stratford, as the Ham Frith Chemical Co. R.O.: 17-18, Bridge Road, Stratford, London, E.15.

WOODHALL & Co., LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of veterinary chemists and manufacturers of and dealers in all kinds of foods for animals, and veterinary medicines, etc. The first directors are: C. Spalding and J. J. Woodhall. R.O.: Birchfield Lane, Oldbury.

AKURE, LTD. (P.C.).—Capital, £100. Objects: To adopt an agreement with E. R. Morrison and A. C. D. Hoare, and to carry on the business of manufacturers of and dealers in medicines, medical preparations and drugs, etc. The directors are: E. R. Morrison and A. C. D. Moore. Solicitor, S. S. Moore, 2 Gray's Inn Place, London, W.C.1.

BRITISH CHEMISTS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of wholesale and retail chemists, druggists, optical and photographic supply dealers, etc. The first directors are: W. E. Bam-brough, 55 Oxford Road, Gunnersbury, W.4, chemist and optician, and H. B. Clegg, 9 Askew Mansions, Askew Road, W.12. R.O.: 2 Ravenscourt Square, London, W.6.

CURTIS & Co., LTD. (P.C.).—Capital £10,000. Objects: To adopt an agreement with F. H. Jameson and Bernard B. McCallum, and to carry on the business of chemists and druggists as formerly carried on by W. G. Jameson at 79 Baker Street, W., referred to therein. The first directors are: A. B. Makepeace, pharmacist, 28 Dacres Road, Forest Hill, S.E.23; A. Latreille, pharmacist, 91 Endsleigh Gardens, Ilford; O. Marlow, 35 Paddington Street, St. Marylebone, W.; and A. J. Makepeace, The Friars, Hertford Street, Coventry. R.O.: 79 Baker Street, St. Marylebone, London, W.

F. H. FAULDING & Co., LTD.—Particulars filed pursuant to Section 274 of the Companies (Consolidation) Act. Capital £200,000. Incorporated in South Australia May 31, 1921, to acquire the business of wholesale druggists, manufacturing chemists, and merchants carried on by W. J. Scammell, L. R. Scammell, W. W. Garner, A. F. Scammell, R. G. Scammell, and R. B. Scammell at Adelaide and Sydney as F. H. Faulding & Co. British address: 76 Finsbury Pavement, London, E.C.2, where W. T. Treadway is authorised to accept service.

DUBARRY PERFUMERY Co., LTD.—Capital £150,000. Objects: To acquire the business carried on at the Goldstone Laboratories at Hove Railway Station, Sussex, and elsewhere, of Dubarry et Cie, and all other undertaking and business of the Standard Tablet Co., Ltd., together with all or any of the assets and liabilities thereof and issued shares; to adopt an agreement with H. W. K. Pears and A. Vickers, and to carry on the business of manufacturers of all kinds of toilet requisites and articles of personal use, manufacturing, wholesale, retail, consulting and analytical chemists and druggists, soap manufacturers, smelters and refiners of ores, drug grinders, assayers, rectifiers, drysalts, manufacturers of essences, and distillers of essential oils, etc. The first directors are: H. W. K. Pears, 4 Hamilton Mansions, Kings Gardens, Hove; H. F. Slack, Goldstone Laboratories, Hove; A. Vickers, 81 Brompton Road, S.W.3; and B. C. Greening, 32 Norton Road, Hove. R.O.: Goldstone Laboratories, Hove.

SMITH, STANISTREET & Co., LTD., CALCUTTA.—From April 1, 1923, Mr. D. S. Richmond retires from the directorate and Mr. O. G. Matthias takes his place. The directorate now consists of Messrs. H. W. Thomas, M.P.S., F.C.S. (Chairman), R. A. P. Leslie, and O. G. Matthias.

PARKE'S DRUG STORES, LTD.—The report of the directors for the year ended February 28, 1923, states that during the year new premises were secured at 149 High Street, Rickmansworth, also the freehold of the premises at 313, Lavender Hill, Clapham, has been purchased. The sum of £515 11s 9d., required for the depreciation of leases, has been met, as usual, out of revenue, as well as £1,754 9s. 6d. expended on repairs, renewals, and dilapidations. After allowing for the above, there remains a balance of £8,301 4s. 6d., out of which the directors have appropriated for the fixtures and stock depreciation reserve funds £991 12s. 1d., leaving a net available balance amounting to £7,309 12s. 5d., from which has been paid an interim dividend on the preference shares, at the rate of 6 per cent. per annum, less income tax, and an interim dividend on ordinary shares of 2½ per cent., less income tax. The balance is £4,618 16s., and from this the final dividend on preference shares for the year, amounting to £1,190 16s. 5d., was paid on March 20 last; and it is now recommended that a final dividend of 5 per cent., less income tax, be paid on the ordinary shares for the half-year, making, with the interim dividend of 2½ per cent., less income tax, already paid, 7½ per cent. for the year; leaving a balance of £427 19s. 7d. to be carried forward. Upon passing the present accounts and the adoption of the report, the reserve funds will stand at £26,243 3s. 5d.

UNITED ALKALI Co., LTD.—The adjourned annual meeting of shareholders for 1921 and the annual meeting for 1922 were held on April 19 at Liverpool, Sir Max Muspratt, Bart. (chairman of the company) presiding over a large attendance. The financial position of the company was dealt with at length by the chairman, who said the directors were now able for the first time in several years to present accounts up to date. In the profit and loss account it would be noted that taxation for some two years was some £25,000 less than for the single year 1920, while head office expenses averaged £26,000 per annum less than in 1920. The gross profit was at the rate of £60,000 per annum less than 1920. In the balance sheet there were some large changes, due to the adjustment of accounts over a period of years. The debts owing by the company were reduced by no less than £1,200,000. Of this the payment of accumulation of taxation accounted for a very large sum, but £273,009 was a book settlement of current accounts with the North American Chemical Company, in which the United Alkali Co. holds a controlling interest. Debts owing to the company were lower by £136,000, due to the lower range of values, but consignments were increased by £33,000, as the company was doing a much-increased business on these lines in several important overseas markets. Surveying the general position, an encouraging feature was the steady demand for the company's alkali in almost every market of the world, and this in spite of much strenuous competition from America and other countries, even those blessed with natural deposits. Referring to sulphuric acid, the chairman said the position in all parts of the world was not satisfactory, and Great Britain was no exception. In organic products last year was very disappointing, but instead of disbanding their large staff of chemists in this department the directors had concentrated them upon research work, and as a result had several new developments which had attracted great interest at the British Industries Fair. The demand in this branch was steadily improving, and was approaching a scale where reasonably profitable business could be looked for. It was of interest to note that whereas over 80 per cent. of the dyes used in this country were imported before the war, over 80 per cent. was now manufactured in this country, and the quality and range were constantly improving. The report and statement of accounts to December 31, 1922, was adopted unanimously.

South African News

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

The Union

THE "Government Gazette" of February 16 contains copy of a Proclamation (No. 33 of 1923) which states that, in addition to the list of habit-forming drugs contained in the Regulations promulgated under Proclamation No. 181 of 1922, all other preparations, admixtures or compounds of opium containing one-fifth or more per cent. of anhydrous morphine shall be regarded as habit-forming drugs within the meaning of the above-mentioned Regulations.

THE PATENT MEDICINE TAX.—As a result of the vigorous protests which have been made by chemists and druggists and the various Chambers of Commerce throughout the Union against the new patent medicine and perfumery excise tax (*C. & D.*, April 28, p. 574), we understand the Cape Minister of Finance has abandoned the suggested excise tax, but has increased the Customs duty by 15 per cent. Already proprietary medicines pay from 22 per cent. to 40 per cent. Customs duty. It would appear that a deputation from Johannesburg and Cape Town waited upon Mr. Burton, Minister of Finance on April 9 to convey the motions of protest passed at various meetings. One very grave objection raised to the tax was the great expense entailed on every dealer in having to stamp immediately everything liable and in stock.

MASONIC.—Bro. James Reid (of Heynes Mathew, Ltd.) was installed as Worshipful Master of the "Emerald" Lodge, No. 392 I.C., on March 17. The Installing Master was Very Wor. Bro. Dr. Croghan, Dep. Prov. Grand Master, P.G.L. S. Africa I.C. Very Wor. Bro. G. Andrews (Lennon, Ltd.), Unice Lodge, 47 N.C., and Wor. Bro. F. Carter, P.D.G.B.B. Transvaal S.C., represented pharmacy among the visitors.—At the meeting of the District Grand Lodge of the Transvaal S.C., held at the Masonic Temple, Plein Street, Johannesburg, on Thursday, March 29, Wor. Bro. Francis Carter, P.M. 1892, E.C., P.Z. No. 7, P.D.G. Bible Bearer, D.G.L. Transvaal, Chaplain of the "Thistle" Lodge, No. 942 S.C., Bloemfontein, was invested as District Junior Grand Deacon by R.W. Bro. Pistorius, District Grand Master S.C.

MEDICAL, DENTAL AND PHARMACY BILL.—This measure, which passed the second reading of the House of Assembly, Cape Town, on February 23, has been referred to a Select Committee, and stands a chance (although not a good one) of being dealt with later in the session. The Habit-forming Drug Regulations (see *C. & D.*, January 13, p. 55), will be embodied in the Bill, being taken over from last year's Customs Tariff Bill. In the debate the interests representing dental mechanics put up a big fight and primed the members well. Owing to a typographical accident, the first sentence of the clause designated "(1)" in the letter of the Committee of the Pharmaceutical Society of the Transvaal, published in our issue of February 24 (p. 253), appeared in a mutilated form. The sentence should read as follows: "No change of title has been asked for either by the chemists and druggists or any section of the general public."

Orange Free State

BUSINESS is still very quiet in the Free State (writes a correspondent), but everybody is hopeful for better times, as glorious rains have fallen and the crop of mealies is a picture.

EXAMINATION RESULTS.—Five candidates entered for examination for admission as chemists and druggists at the examination held in Bloemfontein on February 26, 27, 28. One candidate sent a letter excusing his absence owing to ill-health. One failed, and Messrs. W. J. Andrews, Hellet, and A. Schofield were successful in satisfying the examiners. Messrs. Francis Carter and A. Ingram were the examiners in dispensing, theoretical and practical pharmacy and materia medica.

NATIVES AND HABIT-FORMING DRUGS.—The fact that natives and others are procuring certain habit-forming drugs by growing the plant from such an innocent and common commodity as birdseed, came out in the course of a discussion at the monthly meeting of the Free State Chamber of Commerce at Bloemfontein recently. A communication was read from the Public Health Department which stated, *inter alia*, that attention has been called to the fact that the seed of Indian hemp, or *cannabis sativa*, is a usual ingredient of birdseed as ordinarily sold, and anyone wishing to procure Indian hemp or *intsangu* for smoking purposes can easily do so by sowing some birdseed. The seeds of any variety of Indian hemp are covered by the regulations and cannot be imported except under permit supplied in terms of the regulations. This matter has been brought to the notice of the Customs authorities, requesting them to take any special steps which may be necessary in order to enforce this prohibition. The Customs have been instructed not to pass birdseed containing any of these seeds without the necessary permit. Mr. Greenwood, of Petersens, Ltd., explained that unless innocent shopkeepers were very careful they might be brought before the magistrate. The Act was promulgated in November to allay concern about the use of habit-forming drugs, and in order to stop the misuse of morphine, cocaine and dagga.

Rhodesia

MR. A. T. T. FAVARD, representing Ayrton, Saunderson & Co., Ltd., manufacturing chemists, Liverpool, has paid his periodical business visit to Rhodesia.

RHODESIA is passing through the rainy season. A drought was feared in Bulawayo a month back, but welcome rains have fallen at last, and the registered fall is above the average for the past 25 years.

Transvaal

CHEMIST'S ASSISTANT CHARGED.—A chemist's assistant, James Henry Dennett, appeared at the Krugersdorp Magistrate's Court recently for examination into an allegation of culpable homicide. Recently an inquest was held at Krugersdorp on Miss Mary Ann McGuire, 80 years of age. The coroner found that death was due to poisoning by a liniment composed of aconite, belladonna and chloroform, and in the second place hypostatic pneumonia and cardiac failure, caused by the deceased taking internally a dose of poisonous liniment which had been prescribed for external use. After medical and other evidence had been given, Mr. van Niekerk applied for the discharge of the accused on the ground that gross negligence had not been proved. The application was refused, and the accused was formally committed for trial on a charge of culpable homicide, bail of £50 being allowed.

Pharmaceutical Society of the Orange Free State

A GENERAL MEETING was held at Bloemfontein on March 7. There were present Mr. Fyfe (President), Mr. Weller (honorary secretary and treasurer), Messrs. Greenwood, Prophet, Carter, Abelson, Goldberg, Ingram and Taylor (members), Mr. Proctor (visitor). A letter from the Secretary for Public Health stating that the Medical and Pharmacy Bill is now before a Select Committee, whose sittings would commence on March 1 was read and considered. A resolution by Mr. Taylor "That a committee be appointed to go through the recommendations we have already made regarding the Bill and see if anything further should be done" was adopted. Section 8 (c) of the new draft, Food, Drug and Disinfectants Bill, was then discussed. In regard to the section: "No person shall sell any mixture or compounded food or drug without fully informing the purchaser, at the time of the sale, of the fact and nature of the mixture, unless conspicuously labelled showing the proportion of the ingredients, this shall not apply to (ii) A 'mixture supplied by a pharmacist for immediate consumption on the premises.' Eventually it was decided to write to the Minister of Public Health asking for the deletion of the words "for immediate consumption on the premises, and also to the Transvaal, Cape and Natal Societies asking for their co-operation in this matter."

Council Candidates

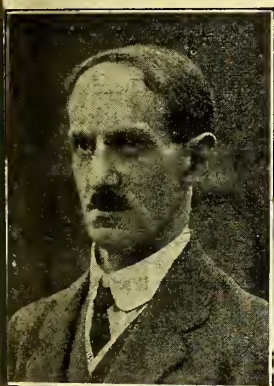
III.

THERE are eight candidates for the seven positions on the Council of the Pharmaceutical Society of Great Britain, which fall vacant in May. The names of the candidates were given in our issue of April 7. The candidates who are not already on the Council are Mr. Thomas Hardy, Maryport, and Mr. E. H. Simmons, Salford. In our issues of April 21 (p. 542) and April 28 (p. 584) we gave the views of six of these pharmacists on pharmaceutical politics; with those of the other two, given below, the electors will be in a position to make their choice.

Mr. E. H. Simmons

is a native of Spilsby, Lincolnshire, where he was educated and served a five years' apprenticeship. After further

experience with Mr. A. H. Ellithorne, Birkenhead, he qualified in 1896. For the next few years he was successively assistant with Mr. James Botham, Ph.C., Higher Broughton, senior assistant dispenser at Crumpsall Infirmary, and chief pharmacist at the Manchester Children's Hospital. In 1905 Mr. Simmons entered into partnership with the late Mr. G. S. Butcher, 329 and 331 Chapel Street, Salford; three years later he became the sole proprietor, and has continued the business under the style of Butcher & Simmons. He was one of the founders of the Salford



MR. E. H. SIMMONS

and District Pharmacists' Association, and has filled the office of President; he was also the first secretary of the Salford Pharmaceutical Committee. During the war Mr. Simmons was co-opted to a vacancy on the Council of the Manchester Pharmaceutical Association, of which important body of chemists he was elected President last year. In that capacity he opened the successful Manchester Chemists' Exhibition in November, and the assistance he rendered to the Exhibition was recognised by the presentation of a silver rose-bowl. Mr. Simmons sends us the following expression of his views:—

I stand as a business candidate for business men, anxious to do what is best for pharmacy as a whole, and to take advantage of all the powers conferred upon the society by various Acts of Parliament to place our calling upon the firmest possible foundation.

Education.—I regard with favour the draft proposals of the Society with regard to the Qualifying examination, and welcome the modifications in procedure, which I believe will provide a much fairer test of the knowledge and ability of candidates. I attach most importance to a higher standard of entrance examination, as I believe the low requirements of the past have been largely responsible for the appalling percentage of failures in our final examinations.

D.D. Act.—I am in favour of a persistent effort being made to simplify the Dangerous Drugs Act and the poison schedules, to remove anomalies that exist, and reduce to a minimum the irritating restrictions placed upon the medical profession, the wholesale houses, and ourselves in legitimate transactions in drugs affected by the Act.

Title.—I should strongly oppose any movement to lute our qualification, or the attempt to take away from our statutory right to the title "chemist and druggist." If elected, I should urge the establishment of a joint consultative committee of members of the Council and the P.U. Executive, so as to secure an interchange of ideas and uniformity of action in matters affecting both organisations. I think it very desirable that a special committee should be appointed to explore the questions of "the dispensing service" and the method of sampling and analysis

under the Sale of Food and Drugs Acts, with a view to securing uniformity of action throughout the country (1) by arousing in pharmacists a deeper sense of their personal responsibility, and (2) by attempting to secure from the authorities concerned in the administration of these Acts a more liberal and elastic interpretation of their duties, thus removing the risk of a repetition of some of the unnecessary and undesirable prosecutions which have lately taken place.

Mr. A. R. Melhuish

served his apprenticeship with Williams & Peters, London, N.W., and followed this training with work in the laboratories of Idris & Co., at that time under the direction of Dr. W. H. Symons. He passed the Major examination in 1891, and was subsequently with Squire & Sons, Oxford Street, W., for two years. In 1898 Mr. Melhuish acquired the business of E. Burden & Co., 78, Duke Street, Grosvenor Square, W., which he still carries on. During the war he acquired the goodwill and prescription-books of a neighbouring pharmacy, founded in the reign of George III., and at one time owned by Mr. William Bastick, the originator of the formula for ammoniated tincture of quinine. Mr. Melhuish has been President (in 1914-16) of the Western (London) Pharmacists' Association, a member of the Pharmaceutical Society's board of examiners for England and Wales, and an energetic member of the London Insurance Committee. In reply to our request for a considered statement, he writes:—



MR. A. R. MELHUISH

You ask for my views on pharmaceutical policy; these may be summed up in two words: Readiness and promptitude. By this I mean that the policy of the Society should be so shaped and moulded as to be ready at all times:—

(1) To repel any attacks upon our title and privileges, from whatever quarter they may come;

(2) To take instant advantage of all opportunities of increasing and developing the position and prestige of pharmacy and pharmacists.

Those objects, I venture to think, can only be attained by a broad and sound policy fundamentally based on: Education, which will provide the men; organisation, which will provide the machinery; and sound and careful finance, which will provide the sinews of war. I am profoundly convinced that, under the changed conditions consequent on the test case, it is only by such a broad-based policy that our Society can hope to maintain its present position and build successfully for the future of our craft.

The six retiring candidates who are seeking re election have issued a joint manifesto (which appears in the advertisement columns of this issue) setting forth their policy and asking for the support of the electorate. They write:—

"Being all engaged in retail business, and collectively covering all phases of everyday pharmaceutical and commercial experience, metropolitan and provincial, city, town and country, we feel that the problems and difficulties of the ordinary pharmacist are those with which we ourselves have become familiar by actual first-hand practical knowledge, and are consequently those which we have the strongest possible reason for endeavouring to solve.

"We stand as advocates of an active, steady, continuous forward policy in pharmaceutical matters—progress guided by accurate knowledge and tempered by foresight and common sense."

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of British patents can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Salts of Sulphonated Coumarone Resins.—The manufacture of colloidal iron, chromium or aluminium salts of the sulphonic acids of coumarone resins by treating aqueous solutions of corresponding sulphonic acids with an oxide, a hydroxide or a carbonate of iron chromium or aluminium, wherein sulphuric acid is removed from the coumarone resin sulphonic acids by treatment with calcium carbonate and the calcium sulphonates are treated with a sulphate of iron chromium or aluminium. (Gerbund Farbstoffwerke H. Renner & Co. A.G. 173,757.)

Tooth Brush.—Adapted particularly for cleaning the back of the teeth, having a stock which is convex towards the handle. It consists substantially of a brush stock provided on the side facing the mouth with oppositely located marginal extensions lying in planes that are perpendicular to each other for the purpose of providing the tongue, which is inserted in the back of the brush, with supporting surfaces in the principal directions in which the brush is moved. The brushing surface of the tooth brush is convex in both horizontal and vertical directions relative to the handle, so that the whole of the back surface of the teeth is swept. (H. Taub. 179,950.)

GERMAN PATENTS

Manufacture of Phosphoric Acid.—A mixture of equal parts of phosphorus and arsenium is heated in a suitable furnace, with access of air and steam, and the resulting vapours are condensed in a cooling chamber. The traces of arsenic dissolved in the phosphoric acid obtained by this process are removed by precipitation with hydrogen sulphide. (J. Michael & Co. D.R.P. 373,735.)

Saline Solutions in Metal Containers.—A method of preventing saline solutions from exerting a corrosive action on metal containers, characterised by placing in the solution two metals in contact with each other, for instance, an iron plate wound round with aluminium wire, or, in the case of iron containers, an aluminium plate or tube is hung in the solution and connected with the iron container by a wire or other means. (Permutit Aktien Gesellschaft. D.R.P. 371,977.)

UNITED STATES

Panoramic Camera.—A revoluble apparatus, including a lens having its optical centre positioned coincident with the axis of rotation of the apparatus, the exposure apparatus being in the focus of the lens. Means is provided at one side of the aperture for supporting a film roll, including a film and its backing, and at the other side for receiving the film unwound from the roll and traversing the aperture, and means for holding the backing stationary. (S. Richards. U.S.P., 1,449,295.)

Electrolytic Process.—A method of treating lead sulphate for the production of metallic lead. Lead sulphate is treated with strong brine solution and the resulting solution electrolysed in the presence of ferrous chloride. The oxidised salt or ferric iron is reduced by means of sulphur dioxide and a substantial portion of the sulphate radical removed with lime. The solution is cleared of any precipitate and used to treat more lead sulphate. (F. N. Flynn and G. D. van Arsdales. U.S.P., 1,448,923.)

Pill-counting Machine.—A machine having a rotary counting plate arranged in four divisions, each division having the same number of groups of openings, which project radially different distances relative to the centre of the plate, but having the same number of openings. A partitioned supply receptacle is disposed in a fixed position over the plate. A fixed plate over which the rotary plate has movement serves to retain the devices to be counted deposited in the openings of the groups during movement of the rotary counting plate. Means is provided for discharging the devices in the groups of openings in sequence and also simultaneously. (J. H. Bruchey. U.S.P., 1,448,826.)

Prescription Problem

The Editor will be glad of the loan of original prescriptions suitable for this column, together with the solution of the difficulty.

THERE was a ready response to the prescription problem in the *C. & D.*, March 17, p. 476. The correct transcription of it is as follows:—

Sodæ salicylat. ... 3ivss.
Liq. amm. acetat. ... 3vj.
Aq. ... ad 3vj.

As before.

Lin. terebinthi acetat. ... 3iij.

The 1(i)nt.

The following are the prize-winners:—

Provinces.—H. C. Batkin, c/o Hutton & Barrett, Ltd., Leamington.

Scotland.—W. D. Bewick, c/o Shiach Kitchen, 116 Nithsdale Road, Pollokshields, Glasgow.

Ireland.—Isa Murphy, The Medical Hall, Celbridge, co. Kildare.

No correct rendering was received from London.

Any one of the following books may be selected as a prize by the above-mentioned winners, who will please inform the Editor which one they prefer: "Chemists' Windows"; "Minor Experiences"; "Practical Methods of Urine Analysis"; "The Chemist's Dictionary of Medical Terms and Treatment"; "Provincial Hospitals Pharmacopœias." The ingredients were, in most cases, correctly rendered, and so points have been awarded according to the degree of accuracy in transcribing the individual letters so far as this is possible. For example, the end formation of the "salicylat." and "acetat." indicates that the "at." termination is used in all three, but many competitors stopped at the "salicyl." and "acet." Some curious renderings were given of the first item: "Succus glycyrrh.", "sod. glycerophosph.", "succus scoparii," etc. There was general agreement with the quantities, but "3iv." and "3iiss." were occasionally given for the first item.

Handwritten transcription:
Hy & Chlorid Gm
Rond 3iv
Liq. amm. 3ij
Aq. 3iij
Lin. terebinthi 3iij

Our next problem is given above. Exact transcriptions of the prescription are invited on *postcards only*, and each competitor should make only one attempt. Postcards should reach "The Editor," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., not later than the first post on May 11. Prizes will be awarded at the discretion of the Editor, whose decision is final.

A PALPABLE HIT.—This time the laugh is at the expense of "The Daily Mail," which gravely informed its readers on May 2 that "in some sausages there was as much as 110 grains of boric acid to the pound. The maximum fixed by the British Pharmacopœia is 15 grains." Mr. C. W. N. Fox, Bethnal Green, London, E.2, who sends us the cutting, ironically adds:—"Can you please inform me how long sausages have been in the B.P.?" We can only suggest that some of them taste like medicine.

Association Affairs

Belfast.—Mr. Fred Storey presided at the recent meeting of the General Committee of the Chemists' and Druggists' Society of Ireland, in the rooms, 11 Waring Street. There was a good attendance. The following sub-committees were appointed:—Law—Messrs. Suffern, S. Gibson, Carse, Rankin, Smith, Abernethy and Kells; Rooms—Messrs. Kells, Wilson, Haydock, Abernethy, Roberts, Rankin and Convenor; Financial—Messrs. S. Gibson, Macauley, Rankin, Suffern and Guthrie; Social—Messrs. McRoberts, Kells, Johnston, Abernethy, Roberts and Haydock. The President and secretary *ex-officio* on all committees. Mr. W. J. Rankin was appointed in charge of advertising of rooms. A letter was read from the secretary of the Belfast Local Employment Committee, Ministry of Labour, asking the Society to nominate representatives to act on the Rota Sub-Committee. The following were nominated:—Messrs. Guthrie, Carse, Macauley, Abernethy, Kells, Roberts, Nevine, McRoberts, Moffett, Boyle, Holmes, and Taylor.

Croydon.—At the meeting of the Croydon Pharmacists' Association, recently, Dr. Stanley White (Parke, Davis & Co.) delivered an address on *Standardisation*, illustrated by lantern slides. Pointing out that in many cases it is impossible to use chemical means, he showed how experiments are made on animals to test these preparations. After questions had been asked, a hearty vote of thanks was passed.

Ealing.—At a meeting of the Ealing and District Pharmacists' Association recently, Mr. T. Marns (President) in the chair, Mr. W. E. Booth (A. & F. Pears, Ltd.), who was to have addressed the members, was absent owing to illness, and his paper on *Selling* was read by Mr. Sanderson, secretary of Messrs. Pears. Mr. Sedgwick, sales manager, also addressed the meeting, which concluded with votes of thanks.

Edinburgh.—A meeting of the Edinburgh Chemists' Trade Association was held in the Pharmaceutical Society's House, 36 York Place, Edinburgh, on April 24. Mr. A. E. Kelly (vice-chairman) presided, and there was a good attendance. The constitution drafted by the Committee was confirmed. Mr. J. Rutherford Hill was elected an honorary member. The Society's scheme for local organisation was explained by Mr. Hill, and it was ultimately unanimously agreed to support the Council of the Society. The secretary reported that 75 per cent. of the possible had joined, and that he had hopes of additions.

Hull.—The Hull Chemists' Association visited the tinned canister works of F. Atkins & Co., Ltd., at Dairycoates, Hull, on April 26. Over fifty ladies and gentlemen were present, including the President, Mr. W. G. Bennett. On reaching the works the party was split up into sections, which were conducted to different departments of the works. After a two hours' tour of inspection, tea was served in the dining hall. The President, Mr. Bennett, proposed the vote of thanks to Messrs. Atkins & Co., Ltd., and a wireless concert followed.

London (S.W.).—The South-West London Chemists' Association held a meeting recently, the President (Mr. E. A. Atkins) in the chair, at which Mr. Norman Widger, Marconi House, gave a lecture on *Wireless Telephony*. Many interesting lantern slides were shown, the lantern being provided and operated by Mr. H. A. Mills, Ph.C., Dulwich. Later, the London Broadcasting Programme was listened to. During the interval the apparatus was inspected by members of the audience.

Salford.—The monthly meeting of the Salford Pharmaceutical Association was held recently, the President (Mr. H. Bellringer) in the chair. It was unanimously decided to support the candidature of Mr. E. H. Simmons in the Pharmaceutical Council election. The social part of the evening was devoted to a discussion on *Hobbies*. Mr. O. L. Fewster gave a paper on *Pottery and Porcelain*, and illustrated his remarks with specimens from his collection. Mr. H. Bellringer followed on *Poultry Farming*, and as proprietor of a poultry farm at Blackley was able to give first-hand hints.

Southampton.—The Southampton Pharmaceutical Association held the annual meeting on April 26, the retiring President (Mr. F. B. Wride) in the chair. The secretary presented the Committee's report, which was adopted unanimously. The President referred to the present position of the Association, urging the members to increase their interest and support. He appealed to the younger members to take an interest in public affairs, and referred briefly to the controversy on inaccurate dispensing. The treasurer's report showed a balance of £21 3s. 1d. Social functions had resulted in a loss, owing to inadequate support. After a discussion on the future of the Association, in which Messrs. Pearson, Hussey, Fisk, Jewell, and others took part, it was resolved to endeavour to increase the interest of the profession in Southampton. The election of officers resulted as follows: *President*, Mr. Fisk; *Vice-President*, Mr. Atkinson; *Treasurer and Secretary*, Mr. Gay; *Members' Auditor*, Mr. H. W. Benest; *Committee*, Messrs. Jewell, Pearson and Walter. Mr. Gay, in accepting the joint offices, thanked the members for the appreciative remarks passed, pointing out that the S.P.A. is the only organisation with a democratic basis, one in which the youngest apprentice is on an equality with the oldest employer. A challenge to a cricket match from the Portsmouth Association was referred to the Committee. Votes of thanks to the retiring President, and for the use of his office for meetings and for clerical assistance, was carried. The members then adjourned for supper, provided by the Association.

West Ham.—A meeting of the West Ham Association of Pharmacists was held on April 26, the President (Mr. J. Reed) in the chair. The Association had invited Council candidates to address them, and Messrs. Melhuish, Keith and Hardy were present, the secretary reading letters from the remaining candidates. Mr. Melhuish gave a brief outline of his pharmaceutical policy generally, touching also on National Health dispensing, and pointed out that although since the war there was a general slackness, it must not be allowed to prevail in dispensing. Mr. Hardy explained the action of the Retail Pharmacists' Union with regard to recent prosecutions, and promised to uphold the qualification in every way. Mr. Hardy's first address at West Ham created a good impression. Mr. Keith at first disappointed his hearers by saying that he was not going to tell them any stories. He had come to be heckled. He was considered by some to be a silent member of the Council, but was not so silent as they thought. He mentioned the various committees and explained how the Council worked, especially bringing forward the claims of the Journal. He was in favour of reducing the subscription. At the conclusion of the addresses a discussion took place and many questions were asked, to which the candidates replied. The President, in moving a vote of confidence in the three candidates present, mentioned that the three candidates who addressed them last year were successful at the poll, and no doubt the three present then would meet the same fate. The resolution was carried with acclamation. It was resolved to subscribe £2 2s. to the Local Conference Committee Fund.

Women Pharmacists.—The National Association of Women Pharmacists held the annual meeting on April 26, Miss E. K. Hughes (President) in the chair. In moving the adoption of the annual report, the chairman drew attention to the amalgamation of the London Group with the National Association, and to the gratifying increase in the membership of the Association. The appointment of the following officers was announced: *President*, Mrs. Freke; *Vice-Presidents*, Mrs. Clark-Keer and Miss M. E. Buchanan; *Secretary*, Mrs. Irvine; *Employment Secretary*, Miss Andrews; *Treasurer*, Miss Sproule; *Auditors*, Miss Adams and Miss Goodwin.

A GRIEVANCE.—Scots Insured Person: "A took a bottle tae the doctor's, thinking he'd gi'e me some liniment for ma' rheumatism. Instead o' that, he's ordered some tablets, an' tell't me tae rub the stiff pairts w' margarine!"

Pharmaceutical Botany

V.

(a) *Spirogyra*. (b) Reproduction Methods

THE simple plants of the green algae dealt with so far consist of general purpose cells. Specialisation occurs to a high degree, but it is that of the cell, and not of cell complexes, as in higher plants.

(a) *Spirogyra*, which is included in our syllabus as an example of a lowly type of plant, is in reality highly developed in certain features. It is a giant compared with *Ulothrix*, the larger species having cells $\frac{1}{100}$ inch in diameter, or ten times those of *Ulothrix*. *Spirogyra* prefers still water, frequently forming masses floating on ponds and lakes. It is an admirable microscopic object in which to study protoplasmic movements, both circulatory and reproductive. The filament grows in length by cell division. The nucleus in any one, or all, of the cells usually divides about midnight into two daughter nuclei, which move to opposite ends of the cell. A cell wall forms between them, appearing first as a ring between the nuclei which grows gradually inwards to form a complete cellulose wall separating them into two distinct new cells. In most higher plants the material forming this transverse wall is deposited simultaneously across the whole area. The above successive ingrowth is, however, not uncommon in lower plants. Quite distinct from this vegetative mode of reproduction is the preparation for the "sexual" process of conjugation, which results in the formation of resting spores (or zygospores). Fig. 14 shows the

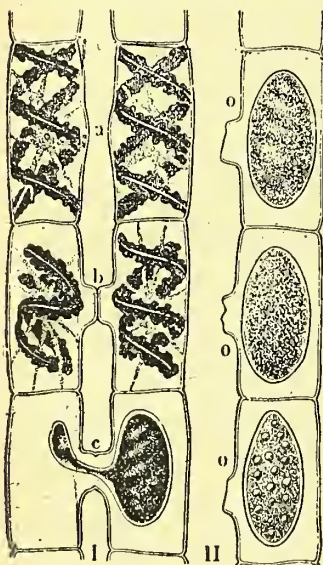


FIG. 14.—CONJUGATION IN SPIROGYRA.

I. Two filaments ranged side by side, *a* Processes are beginning to form, *b* Processes in contact, *c* Protoplasm passing from one cell to another. II. Filament after conjugation; *o o* Egg cells (zygospores) in different stages. Magnified 450 times.

to ten in each cell), period of conjugation (which may be spring, summer or autumn), and type of conjugation (which may be between cells in the same filament or chain-like). The evolution of a special type of chloroplast can be traced in the genera of this family of Conjugatae. Thus *Zygnema* possess two star-like plastids in each cell; in *Mougeotia* these have grown into an axile plate, which becomes twisted in *Strogonium*, and spiral in *Spirogyra* (the number of spirals increasing in larger species). The point to notice is that each development results in an increase of illuminated surface relative to the size of the cell.

(b) *Methods of Reproduction*.—The present juncture is convenient to discuss the distinction between the various methods of reproduction of plants which may be "vegetative," "asexual," or "sexual." The actual reproductive organs become sharply differentiated as plants increase in complexity.

Vegetative propagation is the result of cell division, and represents direct continuity of life processes. New individuals arise by separation of single cells of cell aggregations (buds, etc.), in the same location as the parent plant. Free swimming plants need no other method of reproduction (except to resist drying up), as they can readily move to unoccupied places.

Asexual methods of reproduction serve to spread the plant over a wider area, either by active locomotion or passive transport of drought-proof spores. In unicellular and filamentous plants every cell may possess remarkable powers of response to change in environment. Thus in *Ulothrix* favourable conditions of temperature, light, food, and plentiful water supply result in cell contents migrating as zoospores. This may be regarded as resumption of a primitive state in the life cycle of the plant, as some green algae spend their whole active life in this same form, only coming to rest when dividing into two or becoming encysted in resting stage. Sudden shortage of water or food often results in formation of spores without previous preparation. In *Ulothrix* while the normal method of asexual reproduction is by means of motile zoospores, any cell can become encysted should surroundings dry up. These "akinetes" (=without movement) can tide over a period of drought just like the sexually produced zygospores, but differ from these in growing into vegetative plant directly. Zoospores which do not escape from parent cell can develop *in situ* to form little plants growing through the cell wall. *Spirogyra* sometimes form azygospores (=without conjugation). Akinetes and azygospores are usually regarded as degenerate, but they cope successfully with an emergency in which normal reproductive methods would fail. In the blue-green algae (see *Nostoc*, Fig. 10), spore formation has not proceeded beyond this simple primitive form of asexual encystment.

Sexual methods of reproduction involve the fusion of nuclear substance of different parentage. This stimulating factor of plant development probably arose from accidental fusion of protoplasm (slime fungi show this without fusion of nuclei). When the sexual gametes (gamos=marriage) attain full sexuality they are incapable of further development without fertilisation by another similar (isogamy) or dissimilar gamete (oogamy). *Ulothrix* (Fig. 12) is an example of the former, but the incomplete sexual nature of its "planogametes" is seen in their capacity to develop into dwarf vegetative plants when they do not find a partner. *Edogonium* (Fig. 13) shows differentiation into a small active (male) gamete and passive recipient (female) gamete, containing store of reserve food. This process of fertilisation is termed oogamy, and the resultant spore is called an oospore (oon=egg).

The methods of reproduction of the Conjugatae illustrate a distinct line of sexual development. Some unicellular forms of a single genus show all stages of conjugation of two plants from liberation of cell contents as naked (non-motile) protoplasmic units, fusion while cell wall is breaking down, and conjugation in a communicating passage with cell walls otherwise complete. This family probably never possessed motile gametes, but *Spirogyra* attains by the simplest possible means that economy of protoplasmic material and certainty of fusion which is the ultimate object of sexual processes of reproduction.

During division of the nucleus, which is a complicated process, the "chromatin" material (*C. & D.*, April 14, p. 512) ordinarily forming a network becomes re-arranged in the form of a continuous thread or spirem. This shortens, thickens and breaks up into a definite number of more or less U-shaped pieces called "chromosomes." These split longitudinally, half of each original parent chromosome passing into each daughter nucleus.

Births

Notices for insertion in this column must be properly authenticated.

HIBBERT.—At 37 Copers Cope Road, Beckenham, Kent, on April 26, the wife of F. I. Hibbert (managing director, Ralph L. Fuller & Co., Ltd., chemical merchants, London, E.C.), of a son.

TYLER.—At 79 Chorley Road, Swinton, Manchester, on April 30, the wife of G. V. Tyler, chemist and druggist, of a daughter.

Marriages

ROBERTSON—BOATH.—At Trinity C.U. Church, Dundee, on April 25, by the Rev. Henry Donald, M.A., and the Rev. W. Hamilton, M.A., Alexander Robertson, M.P.S., nephew of and partner with Mr. James Anderson, Dundee Drug Stores, to Elizabeth Helen Lawrence, only daughter of the late Mr. Lewis Boath, Rowanbank, Carlogie Road, Carnoustie, and of Mrs. Boath, Thomson Street, Dundee.

Deaths

ARATA.—The death is announced from Buenos Aires of Professor Pedro N. Arata. A distinguished Argentine pharmacist, and since 1875 professor of chemistry in the university, he devoted his attention chiefly to analytical investigations, and undertook an exhaustive study of the medicinal plants indigenous to the north-eastern districts of the republic. In 1893 he founded the National Chemical Bureau, one of the chief analytical laboratories of the Argentine. Professor Arata was a member of the commission which elaborated the "Codex Medicamentarius Argentino," and during his lifetime published several text-books, in addition to over thirty monographs on indigenous plants. He also undertook a critical study of the Jesuit manuscripts dealing with missionary drugs.

BARNES.—At Preston, recently, Mr. Thomas Barnes, chemist and druggist, Plungington Road, aged sixty-seven. Mr. Barnes was a native of the town, and served his apprenticeship there to Mr. Ryder. After qualifying in 1881, he had further experience in Hull, and then purchased the Preston business carried on by Mr. Goring. Mr. Barnes, who was highly esteemed in the town, took part in public affairs. He was an old member of the ulwood Bowling Club.

CHELL.—At The Mount, Chebsey, after a brief illness, Mr. Frederick Chell, chemist and druggist. Mr. Chell died in 1890.

HULSEN.—At Hexham, on April 30, Mr. J. R. W. Hülssen, principal of Julius Hülssen & Co., chemical merchants, Collingwood Buildings, Newcastle-on-Tyne. Mr. Hülssen established his business in 1878, and took an active interest in it until a month ago. He leaves a widow, two sons, and a daughter.

DE SOUZA.—In further reference to the death of Mr. Joseph Charles de Souza, Rangoon, announced in our issue of April 14 (p. 513), we learn from an appreciation published in the "Rangoon Gazette" that the late Mr. de Souza was the sixth son of Dr. E. M. de Souza. In preparation for his work in Rangoon he secured employment with Parke, Davis & Co. in London, and after spending two years with them went out in 1912 to Rangoon to his father's firm, which bears the family name and is so well known all over Burma, the Straits Settlements, and in the Presidency towns in India. There was no limit to Mr. de Souza's energies. He is a great loss to his firm, and perhaps a greater loss to the province. He was educated at Dulwich College and Magdalen College School, Oxford, later going up to Cambridge in 1910, and while there he took an active part in hockey and boxing, and in cricket soon came to the front. He got his "blue" in 1911.

Personalities

MR. J. F. GEORGE, pharmacist, Melbourne, Australia, is at present on a visit to this country. His tour will embrace both the Western and Eastern hemispheres and occupy about a year.

MR. F. W. PARE, chemist and druggist, Bolton, has obtained the certificate of the Conjoint Board for the degrees of M.R.C.S. and L.R.C.P. at the recent examinations held in London.

MR. FRED. W. BIGGS, chemist and druggist, has been re-elected chairman of both the Finance and Assessment Committees of Stourbridge Board of Guardians, of which body he has been a member for twenty-nine years.

At the recent meeting of the Notts County Council, the appointment of Mr. John Evans, F.I.C., Ph.C., Sheffield, as public analyst for the county, was recommended. Mr. Evans holds similar appointments in respect of Sheffield, York, Cardiganshire, Rotherham, Barnsley, and Doncaster.

It is reported in the Press that Mr. H. C. Gray, chemist and druggist, 2 Hayes Place, Bath, has been missing from home since April 22. He is described as aged forty-one, but looking younger, about 6 ft. in height, with a long, clean-shaven face. Information concerning him should be sent to his wife or to the police.

MR. MORRIS W. STRANACK, managing director of Stranack & Williams, Ltd., Durban, Natal, who recently arrived in London from South Africa, has sailed this week per the "Majestic" for New York on a short business trip. Mr. Stranack expects to be back in London early in June, when he will have a few weeks in which to transact business prior to his return to Natal about the middle of July.

At a meeting of the United Good Fellowship Lodge, No. 809, at Wisbech, April 25, Bro. W. R. Girling, S.W., P. Prov. G. Std., was installed in the chair by W. Bro. Major Hill, I.P.M., Prov. G. Swd. Bearer. The following brother-chemists were among the large gathering present:—W. Bros. J. W. Hall (Peterborough); Harry Smith (Downham Market); T. Eastland (Wymondham); J. Evans, P.J.G.D. (Cambridge). W. Bro. Girling mentioned that it was thirty years ago that his father was installed in the same chair, and to mark the happy event he asked the Lodge to accept a solid brass "G" suitably engraved.

At the Grand Lodge of England, held recently in London, Dr. G. Claridge Druce, M.A., Oxford, was invested with the collar of Assistant Director of Ceremonies by H.R.H. the Duke of Connaught and Strathearn. At this brilliant gathering H.R.H. the Prince of Wales was in the Senior Warden's chair. (This year H.R.H. the Duke of York takes his place.) The Grand Lodge proved utterly inadequate to hold the brethren who attended. The banquet was a great success, the chair being taken by the Prov. Grand Master, Lord Ampthill. Dr. G. Claridge Druce was the recipient of very numerous congratulations upon his appointment, a distinction conferred after he has acted for many years as County Representative of Oxfordshire, of which Province he is Past Grand Warden. Dr. Druce has passed the chairs of the Knight Templars and the Knights of Malta.

At a meeting of Grosvenor Lodge, No. 1,257, at Freemason's Hall, London, W.C., on May 1, Bro. J. T. Warburton (managing director, American Drug Supply Co., Ltd.) was installed Worshipful Master. Among other officers invested were:—Bro. J. F. Lintott (Vinolia Co., Ltd.), S.W.; Bro. F. Pearce (Edwards & Sons), J.D.; Bro. Gwilym Thomas (Meacher, Higgins & Thomas), I.G.; Bro. L. J. Read (John Timpson & Co., Ltd.), Steward. Among those present were:—W. Bro. D. Pugh Jones, P.M. (Lewis & Burrows, Ltd.); W. Bro. J. W. Quibell, P.M. and Sec. (1791), Golders Green; Bro. E. A. L. Yates (Virol, Ltd.); Bro. S. J. Porter (Edwards & Sons); Bro. F. B. Arnold (Goss, Ltd.); Bro. R. Robinson (Pritchard & Constance, Ltd.).

Trade Notes

PHARMACEUTICAL CHEMICALS.—Harold Wittrick & Co., 36 Camomile Street, Bishopsgate, London, E.C.3, are the agents for the United Kingdom for Herm. Modoery, Basle.

ENOLIN is again being advertised to the public, a new company having been formed. Enolin, Ltd., 201 King Street, Hammersmith, London, W., in this issue refer to the new advertising campaign.

MOVOL STAIN REMOVER.—Wm. Edge & Sons, Ltd., Bolton, make an announcement regarding the prices of Movol stain remover, which is an excellent line for chemists. It is packed in collapsible tubes.

I. & M. COHEN.—The White House, 53/4 Houndsditch, London, E.1, ask us to state that an error crept into their advertisement in the last issue of *THE CHEMIST AND DRUGGIST*. The date, 1874, given in the second line underneath the illustration should be 1864.

SEMPROLIN PRODUCTS.—Reduced prices for semprolin products, which will become effective on June 1, are given in the announcement of the Semprolin Co., Ltd., Carmex House, 18 Leather Lane, London, E.C.1. A special offer is made of Russian medicinal paraffin.

PHILOGETAN used in the treatment of progressive paralysis, tabes dorsalis, etc., and made by the Norgine Chemical Works, Prague, is obtainable from wholesale houses or from the distributing agents, Dick, Coates & Co., 41 Great Tower Street, London, E.C.3.

GRIPS FIRST-AID PASTILLES.—J. W. Lightbown & Sons, Manchester Road, Accrington, manufacturers of the Grips first-aid pastilles, ask us to state that their business is no way connected with the Grip Tablet Co., Ltd., which was mentioned in the *C. & D.*, April 28, p. 576, as liable to be wound up.

FORMALIZED SHAMPOO POWDERS.—In the announcement in our issue of March 31 of Morny Freres, Ltd., 6 New Burlington Street, London, W.1, there was an error in two of the prices quoted. "Cartons containing six envelopes to retail at 2s. 6d." should have been "2s. 9d."; "12 envelopes to retail at 4s. 6d." should have been "5s.," either perfume.

BUSH, BEACH & GENT, LTD., 10 Union Court, London, E.C.2, make an announcement in this issue of general interest to the trade. We understand the company is now entirely British, and that Mr. S. J. C. Mason, who is well known in the chemical trade, has a large holding of the company's shares. Mr. T. Ernest Baker, 16 Serjeant's Inn, London, E.C.4, has been appointed a second director.

SHERLEY'S DOG MEDICINES.—A. F. Sherley & Co., Ltd., 18 Marshalsea Road, London, S.E.1, have sent us samples of the attractive showcards which are illustrated in the company's advertisement in this issue. A booklet, "Hints to Dog Owners," is also issued, which should help the sale of dog medicines, in which a large business can be done. Messrs. Sherley invite applications for their price-list and trade terms.

DORSELLA MILK FOOD.—Prideaux's Pure Casein and Life Food Co., Ltd., Motcombe, Dorset, send us a specimen tin of Dorsella milk food, which is advertised in this issue. The food is pleasantly flavoured and mixes readily with hot water if the directions are carried out correctly. The tins are attractively decorated. The company offer to send a sample of the food on receipt of 3d. to cover postage and packing.

ROUMANIAN PHARMACIST CHLOROFORMED.—The pharmacy of M. Hardus, in New Arad, not being opened as usual one morning recently, an entry was made into the house, when the proprietor and his wife were found insensible in bed, with handkerchiefs soaked in chloroform on their faces. A sum of 20,000 crowns, which M. Hardus was in the habit of keeping under his pillow at night, had disappeared, as well as the recently engaged assistant, who was on duty during the night in question. M. Hardus and his wife remained unconscious for thirty-six hours.

Scottish Pharmaceutical Federation

St. Boswells.—A meeting of the Border Branch was held recently, Mr. W. E. Wilson (Hawick), President, in the chair. The chairman said there was every prospect of their affiliation with the Retail Pharmacists Union. The sale of methylated spirit was brought up, but it was suggested that the only effective measure would be to add tartar emetic. Discussion also took place on the multiplication of new remedies, the difficulty of stocking them and frequent loss connected with stocks of them left on hand. It was left to the President and secretary to draw up a circular letter to local medical men on the subject.

Wills

MR. JOSIAH HENRY JESSOP, retired chemist, 13 Beaumont Street, Oxford, who died on February 23, left estate of the gross value of £948 5s., with net personalty £922 16s.

MR. JOHN GLEN, chemical manufacturer, Kilkerran, Chemical Works, Maybole, Ayr, N.B., who died on December 19, intestate, left personal estate in Great Britain valued at £3,036.

MR. BERNARD WESTLAKE, chemist and druggist, Trasco, Selsey-on-Sea, who died on December 18, left estate of the gross value of £2,760 11s. 1d., with net personalty £1,823 7s. 3d.

MR. EDWIN SARGEANT WAIN, Hawarden House, Lightwood, Longton, Staffs., of Wain Brothers, Ltd., chemists, Longton, Stoke-on-Trent, who died on January 22, left estate of the gross value of £6,258 4s. 7d., of which £4,965 7s. 6d. is net personalty.

MR. FREDERICK THOMAS HUNT, J.P., chemical manufacturer, Highfield, Castleford, of Hunt Bros., of the Aire and Calder Chemical Works, who died on July 27, 1921, left estate now valued for probate as of the gross value of £123,776 14s. 9d., with net personalty £56,814 18s. 3d. Among the bequests are £500 to Arthur Howden, if still in the service of Hunt Bros., with a further £500 if he should be in such service twelve months after testator's decease, and £250 with a further £250 (each upon similar lines to the preceding bequest) to Herbert Guise.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

Z/15. Alonal	S/275. "Hydisco" shaving and tooth brushes
S/244. Austin's inhaler	L/274. John Coleman's Italian stone lotion and electric fluid
A/274. Braithwaite's mixture	S/234. Menfiline stain remover
H/244. Detailles (of Paris) for toilet goods	C/254. Neo vaccines
M/234. Effervescent Koumiss	B/25. "Overco" styptic pencils
R/274. Formoloid tablets	H/244. Pinox bath fluid
M/234. Genoform (London supply)	C/25. Weederine
S/234. Hamilton's azo phosphor	

INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, *THE CHEMIST AND DRUGGIST*, 42 Cannon Street, London, E.C.4

Acrosyl. M/274	"Dryco" milk food. M/244
Aluminium ointment and face cream boxes. W/213	Electrargol. H/254
Aluminium scoops. B/234	English castor oil. E/204
Ammonol. L/304	"Ever Ready" Blades. R/234
Argentamin. L/304	Isobromyl tablets. A/244
Aspirodine. A/304	"Lapillac" puff bowls. B/244
Avantine. A/274	Leichner's grease paints. B/244
Benbow's dog mixtures. S/164	Magnesia dry cleaner. G/213
"Butterfly Orchid" Perfume. H/244	Magnolax. S/304
"Coronet" washing squares. B/274	"Ongard" safety pins. R/234
	Vapex. M/304
	Veet depilatory. M/304

Observations and Reflections

By Xrayser II.

Your Claim

to have proved from official documents that it is unreasonable to expect us to attain mathematical accuracy in dispensing is too modest; you have proved a good deal more. The limits of error allowed would account for a falling short of scientific accuracy and probably for a failure to attain analytical accuracy, or even a close approximation to it. Fortunately, we are not required to do this, since there are other unavoidable sources of error. The real grievance is that there is no standard of legal accuracy. Neither this nor commercial accuracy can properly be said to be "fixed," and one does not see how they well could be so fixed as to cover all conceivable cases. Magistrates might learn a lesson from the reports of the proceedings taken under the Safeguarding of Industries Act with regard to scheduled chemicals—if, that is, they can be supposed to read such reports. Your series of articles on "Testing Dispensing" are equally unlikely to receive their attention, but they will be—or should be—of immense help in defending cases of alleged inaccuracy. The most disquieting feature of the situation is that our official defenders appear to resent all attempts to help from the outside. They know all there is to be known about defence matters, and any criticism or even question of their proceedings is construed as hostility to the Chemists' Defence Association. May I remind them of an old saying: "Seest thou a man wise in his own conceit?"

Contemporary Opinion

is rarely to be trusted; the historian must take long views if he would avoid error. The peasant in Kingsley's fairy tale thought the world had come to an end when its nest was accidentally trodden upon, and some of us now are talking as if the present persecution of pharmacists were unprecedented, a calamity that foreshows the end of all things for us. Twenty years ago, however, we were being assailed with equal turbulence, and my precursor in these columns, replying to those who counselled quiescence under the attack, made use (a fact I had not noticed) of the very phrase I quoted the other day, *Que messieurs les assassins commencent*. Nearly thirty years before that Mr. Allen, the Sheffield public analyst, had tested dispensing and reported that in three cases out of twenty it was found to be inaccurate. A still more important investigation was started in 1886, when Messrs. Hehner and Seaton discovered three serious cases of inaccuracy and seventeen at all short of "mathematical accuracy" out of fifty that had been tested. These little storms, however, blew over, and we may confidently anticipate a similar one for the present one, unless it should really be, as has been darkly hinted, got up in the interest of doctors who covet Insurance dispensing, a depth of depravity which I shall not easily attribute to a profession so fearful of "infamous conduct." It is true that these "campaigns" were not pushed home as the present one is. There were, I believe, no prosecutions; and if there had been the result would not have been serious, since we had not then to defend our position as servants of the State. That is where the present danger lies—that an alleged failure under the test may all against us in our next bargain with the Insurance authorities. That is, certainly, a new thing, and one that calls for special vigilance on our part.

Mr. Ellis

probably did not expect to be taken quite seriously when he said about the pharmacist past and present in his address at Sheffield. There is a semi-humorous exaggeration in most of it which, though it makes for good reading, makes against historical accuracy. He seems to date the palmy days of pharmacy thirty years back, perhaps because his memory reaches no further. He goes back thirty years more, and I should say that British pharmacy was at a distinctly lower ebb

in the years immediately before and after 1893 than it is now. There was certainly as much discontent with their position among its practitioners; the Act of 1868 had not fulfilled our expectations; we were agitating for an Amending Act. It is true that when we got it we were still dissatisfied and wanted another, which, when we obtained it ten years later, failed in like manner to make us happy. Judging from contemporary utterances recorded in your columns, we appear to have been going from bad to worse during most of that period; if the process of deterioration has been going on ever since we must be in a truly parlous condition now, and there is little ground for Mr. Ellis' assurance that we may still "come out top." But all this is only another illustration of the truth of Pope's line, "Man never is, but always to be blest," alongside of which we may place Tennyson's couplet,

"The past will always win
A glory from its being far."

My Retrospect

of the last thirty, or for that matter of the last sixty, years would be a pretty complete contradiction of the picture Mr. Ellis paints, and I think this statement is a very generous admission on my part. For the shorter of the two periods I have been, to say the least, but a "candid friend" of the Society, and have been for the most part in opposition to its policy; still, it is clear even to my possibly prejudiced eyes that, whether by its means or in spite of it, we have advanced appreciably during that time, both in public estimation and in financial position. There have been set-backs, of course, and we are perhaps experiencing one now. Our progress has not been uniformly continuous (human progress never is), but we have progressed nevertheless. There were individual pharmacists as far back as I can remember who have not been surpassed since by any, and are not surpassed now, either in character or in attainments; but the "rank and file" are both better fitted for their work and better paid for it than they were when I went into business on my own account: the general level of the trade, or profession, is higher, though it still leaves much to be desired.

The Forthcoming Election

excites, in the absence, as Mr. Keith puts it, of any burning question, only a comparatively mild interest, and the result will probably be determined almost entirely by personal considerations. The "views" of the various candidates, so far as they have been put forward, do not differ in any important respect. Mr. Keith diverges boldly from the beaten track in suggesting (and the suggestion will be warmly welcomed) that the time has come for the Society to revert to its old subscription, and travels a little beyond his brief in the further suggestion of post-graduate classes on trade subjects for the newly qualified. This is not, in itself, a bad idea, but the formation of such classes hardly lies within the province of the Society; it would be undertaken more fittingly by the Retail Pharmacists' Union. I am glad to see the reference in Mr. Keith's address to the Pharmacy Bill now before Parliament—not that I think it likely to come "within the range of practical politics," but with such popularity-hunting Governments as we have had lately one never knows what may happen, and we ought to be on our guard against surprises. On the subjects of education and organisation all the candidates are in virtual agreement, and indeed the policy of the Council is already determined. There remain only the records of the candidates to guide us, and here, of course, the old members have a certain advantage.

I am Glad to Hear

that it is not I but Mr. W. W. Pring who has to apologise to Mr. Hildreth Glyn-Jones. Whoever was responsible for the errors attributed to him they required correction, and my remark on the confusion of mind existing even among "experts" (for I presume that the secretary of a branch of the Pharmaceutical Society comes under that category) holds good.

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Editorial Articles

Business Propaganda Pamphlet

THE pamphlet which we have prepared for distribution by chemists as a general advertisement of the business is now on sale. There has been a little more delay in producing it than we had anticipated, but we think the pamphlet has benefited from this. When we published the draft in our issue of March 17 we invited criticisms and suggestions of the scheme. This brought us a large number of letters from our subscribers, and it was in considering these suggestions that time was taken up. We take this opportunity of thanking the numerous correspondents who have helped us in this way. It has given us valuable aid, and resulted in the production of a pamphlet conforming with the wishes of an important section of the trade. The pamphlet is unique as a trade advertisement in that it does not seek directly to sell goods, but to promote the good will of the public. Circumstances have for some time tended to create adverse impressions of the chemists' business, notably the unfair prescription-testing campaign, and it is hoped that the judicious circulation of a dignified statement of the chemists' services will more than neutralise the ill-effects of detractors. The pamphlet has the advantage of having been carefully considered by a large number of chemists, and is not a one-man idea. It does not make the mistake of creating suspicion by advertising that "mistakes" are made occasionally in chemists' shops. The pamphlet has been prepared by chemists for chemists, and the statements made in it are strictly in accordance with facts. We think it will interest those members of the public who receive it. The following are the prices at which we can supply the pamphlet in bulk:—

Packets of	Post free
	s. d.
50	2 9
100	5 0
250	9 6
	Carriage paid
1,000	36 0

The pamphlet is of small size ($3\frac{3}{8}$ by $5\frac{1}{4}$ in.), especially adapted for insertion in prescription envelopes and parcels. The distribution is an altruistic undertaking designed to benefit the whole trade, and we hope that chemists in all parts of the country will help in this unique propaganda scheme. What is wanted is a combined effort extending over some weeks, and it should be especially directed to the middle-class public, who may have been influenced by recent Press "stunts." Since we started the idea of collective advertising of the chemists' business we have observed several instances in which trades as a whole are addressing the public. The British makers

of rubber tyres have sent out from a neutral source a well-written folder giving reasons to motorists why British-made tyres should have preference. Of more immediate concern to us is an effort being made in the United States to educate the public as to druggists' services. The National Drug Trade Publicity Bureau, an association of representatives of national pharmaceutical bodies, has been founded for the purpose, and State associations are in some cases taking up the matter on a group plan. The St. Louis College of Pharmacy distributed a leaflet "When Sickness Comes" to the public at a recent health exhibition somewhat on the lines of the effort made by the Manchester Pharmaceutical Association at the Manchester Exhibition last December. The propaganda scheme which we have inaugurated will assist the public to distinguish between chemists and unqualified persons, and show that pharmacists have earned the respect of the public by long years of service. We want as many chemists as possible to assist in the distribution of the pamphlet. Any subscriber who would like to see a copy of the pamphlet can have one sent to him, post free, on receipt of an addressed envelope.

Testing Dispensing

VI.

THE trend of the previous articles of this series has been to emphasise the impossibility of attaining in dispensing prescriptions that degree of accuracy which apparently exists in the minds of magistrates and medical officers. These persons, along with the majority of public analysts, possess very little practical knowledge of pharmacy, which they prejudice and unconsciously misjudge. Another point dwelt upon was the lines of defence which are possible in certain circumstances. Fear of unhealthy publicity plays its parts in deterring chemists from adequately defending their honour; but we are glad to find that a great change of opinion has taken place owing to this series of articles. A fitting conclusion to the series, therefore, is a statement of the means whereby chemists can safeguard their good name. We suggest, first of all, that at the present juncture it is advisable to assure the accuracy of compounded medicines, irrespective of whether the methods employed to do this repay the cost or not. In other than one-man pharmacies it is customary for a second person to check poisonous ingredients. The script may also be initialised both by the compounder and the checker (in respect of quantity of specific ingredient checked). In actual practice, this method is not so time-wasting as it would appear, but the effect of dual responsibility is remarkable. While human nature resents restraint upon individual free will, it refuses to accept responsibility or actions of others without full justification. The result is that the "near enough" of a slovenly dispenser becomes the full accuracy attainable under working conditions. The mere signing of initials perpetually recalls responsibility. Imagine this method extended to all ingredients, either in all scripts or at least in suspicious ones. The result for production in a court would be as follows:—

gr. 80	A.B.	Potass. iodid.	...	...	gr. v.
3ij. sol. (1-6)	C.D.	Potass. bicarb.	...	...	gr. x.
ad. 3viij.	C.D.	Aq. ad.	...	...	3ss.
		Mitte 3viij.			

Dispensed by E. F.

The proprietor would prove the wholesaler's guaranty chemicals. The compounder will assert that he made the medicine correctly. A. B. states that he checked the weight of potass. iodid. used, which was that on the left-hand side. C. D. can vouch for accuracy of measure

of the sol. potass. bicarb., and the fact that mixture was made up to correct measure. Finally, evidence would be given that the stock solution tested of correct strength. The evidence would bring out that A. B. had a reputation to maintain for accuracy in dispensing, employing qualified assistants for this purpose. The following are other points to be observed in connection with test prescriptions:—

When inspector divides the compounded medicine into three portions, note should be taken of method used. Samples of ingredients (especially stock solutions) should be put up at same time for testing along with chemist's official sample.

Every effort must be made to prove that care was exercised in compounding. (Check method above, or with single dispenser by ticking (✓), or weighing or measuring each ingredient, and cross-ticking on placing in container (✓)).

The compounder is the only person who *knows* whether due care was used in compounding the prescription in question, and every opportunity should be given for statement to this effect in the proper place—the witness box. [One dispenser recently sturdily maintained the accuracy of his methods in face of a charge of "adulteration" by deficiency, and had his faith amply justified.]

In pharmacies where scales, weights, and measures are maintained by contract, evidence should be given to this effect. Also whether these have been officially inspected recently.

It is essential to be able to prove that all chemicals and drugs are of B.P. or other standard quality. All supplies must therefore be bought under guaranty of wholesale house of repute.

No details of prosecuting analyst's certificate should be divulged to analyst for defence. The latter should not, under any circumstances whatsoever, be permitted to communicate his results to prosecution. If expert advice is needed on results obtained, an independent consultant should be called in. In border-line cases analysis of the third sample by Government analyst is a *sine qua non*.

Finally, advantage must be taken of the existence of a sane scheme of sampling Insurance prescriptions. The Salford scheme is the result of harmonising the conflicting interests in question. It has stood the test of time, imposed no hardships on chemists, and improved the quality of the dispensing service.

What stronger evidence could be desired of reasonable limits of accuracy in compounding? We should like to pay a tribute to the remarkable prescience displayed at Salford in gauging the degree of accuracy which it is reasonable to expect when chemist and analyst perform their respective duties with average ability under workaday conditions.

The Rise in Chinese Wood Oil

THE remarkable advance in the price of Hankow wood oil during the past few weeks has caused a considerable amount of consternation among numerous consumers who had only covered their immediate requirements. To illustrate the increase, it is only necessary to point out that one could have bought spot oil last November at 69s. per cwt., whereas a fortnight ago 142s. per cwt. was actually paid by a merchant for five barrels ex warehouse London. The market in the meantime has eased considerably on account of the fresh importations, and at the time of writing spot supplies could be bought at 135s. on an inactive market. When reviewing the situation it is necessary to point out that this market, like that of turpentine and linseed

oil, is greatly influenced by speculative operations. In the first place, the crop of wood oil has been a very poor one this season, and although it is most difficult to obtain reliable statistics from Hankow, it is generally acknowledged by the leading authorities that the crop is considerably below expectations. Secondly, the United States, who are the world's largest consumers, bought huge quantities at the commencement of the season at the comparatively low figures then ruling, with the result that other countries had to pay dearer prices as the season progressed. In fact, America has been reselling part of her purchases to London and elsewhere at substantial profits. We give below some interesting figures illustrating how prices have advanced since last November. The prices given are for Hankow oil, and are approximately:—

Month	Per cwt.			
	s.	d.	s.	d.
November, 1922	69	0	71	6
December, 1922	72	6	73	0
January, 1923	75	0	96	0
February, 1923	96	0	110	0
March, 1923	106	0	110	0
April, 1923	110	0	142	0

It will be observed that the chief increase took place during April—viz., 32s. per cwt.; this was due to the acute shortage of spot supplies and the heavy covering by "bear" operators. Heavy "bear" sales were made when the market reached 100s. in February, and many of the "bears" were squeezed, and in several cases contracts were cancelled on the payment of an allowance of 35s. to 40s. per cwt., especially in instances where well-known marks were specified in the contract. During the past few weeks numbers of dealers who sold January-February shipment from Hankow have been forced to declare their inability to deliver, with the result that merchants here who had sold the oil to actual manufacturers were forced to cover at almost any price. According to the latest figures available, which were supplied by one of the leading importers, the following quantities were shipped from Hankow between January and July, 1922 (no later figures are yet obtainable):—

To Shanghai and other China ports, 14,800 barrels.
To New York and other American ports, 25,000 barrels.
To London and other European ports, 4,036 barrels.

The future course of the market should be in a large measure determined by the question as to whether America has actually overbought at the previous low prices, and, if so, the quantity of her surplus purchases she can export to Europe. This factor dominates the future position, and should not be overlooked by intending purchasers, as in the event of any such shipments of an appreciable size being made prices would rapidly decline. Considering that America bought most of her wood oil in the neighbourhood of 70s., she could well afford advantageously to sell on this market. On the other hand, information is available from several quarters showing that America is at the present moment engaged upon heavy manufacturing and rebuilding, and her consumption of raw materials is rather on the increase than otherwise. We are inclined to advise buyers to exhibit the greatest caution during the next few months. The increase, fully 100 per cent. from the lowest price, has been too sudden to last, and until more reliable statistics are available buyers are working in the dark. Heavy arrivals are now taking place to London, and cheaper prices may be expected at any moment, although values will fluctuate in sympathy with the operations of speculators.

Business Changes

BOOTS, LTD., have taken premises in Biggin Street and Woolcomber Street, Dover.

M. G. CAVADINI intimates that his warehouses and offices have been transferred to 30 bis Rivay at Levallois-Perret, near Paris.

TIMOTHY WHITE CO., LTD., have purchased the business of Mr. D. F. Ritchie, Ph.C., 102 High Street, Newport, Isle of Wight.

THE business formerly carried on by Mr. E. Phillips, Priory Pharmacy, Ecclesfield, is now conducted under the style of Edgar Phillips (Chemists), Ltd. (see *C. & D.*, March 31, p. 427).

IMPAG (Chemicals Import Co., Ltd., of Swiss Industries) have removed to more commodious offices at Leadenhall House, 101 Leadenhall Street, London, E.C.3. Telephone: Avenue 8080.

MR. S. HAYWOOD, chemist and druggist, has acquired the business of Mr. F. W. Pare, chemist and druggist, 188 Chorley Old Road, Bolton, who, as mentioned on p. 625 of this issue, has qualified as a medical practitioner.

MR. O. F. Moss, chemist and druggist, 175 Uxbridge Road, London, W.12, has purchased the business of Mr. J. H. Frost, chemist and druggist, 9 High Street, Hornsey, N.8, who has conducted this pharmacy for the past thirty-eight years. [Corrected note.]

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 42 Cannon St., London, E.C.4."

QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, May 8, on which day the samples will be posted.

Students' reports will be received up to Saturday, May 19. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTICE.—The prizes in this analysis will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, *which fact must be attested on their reports*. Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a Qualifying examination will be included in the latter list.

LEARNED PROFESSIONS.—A school "howler" from Bristol:—"An optimist is a man who looks after your eyes; a pessimist looks after your feet."

POISONS IN THE HOME.—Writing to the "Daily Mail" of May 1, Mr. J. Pike, chemist and druggist, Sherwood, Nottingham, contrasts the safeguards surrounding poisonous tablets in the pharmacy with the "free hand" allowed to the customer. "There is never any hint of parental culpability," adds Mr. Pike.

Pharmaceutical Society

of Great Britain

Council-meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on May 2, Mr. E. T. Neathercoat (President) in the chair. The absent members were Miss Buchanan, Mr. Wolff, and Mr. Young. The President intimated that there were no questions.

ELECTIONS AND RESTORATIONS

Ninety-five persons were elected members, and fifty-seven were elected student-associates of the Society; a number of persons were restored to the Society. The number of registrations as students reported was 142.

The PRESIDENT said that, as at May 1, the membership of the Society stood at the highest point in its history. (Applause.)

HONORARY MEMBERS

The PRESIDENT moved that the following gentlemen be elected honorary members of the Society:—Howard, David Lloyd, F.C.S., Treasurer, B.P.C.; Baker, R. T., F.L.S., Curator, Technological Museum, Sydney, N.S.W.; Fourneau, E., Chef de Service à l'Institut Pasteur; Gorcum, W. C. van, 74 Witte de Withstratt, Rotterdam; Haazen, V., Avenue Isabelle 15, Antwerp; Herissey, H., Ecole Supérieure de Pharmacie de Paris; Hofman, J. J., 4 Schenkweg, The Hague; Kraemer, Henry, Professor, Ph.D., University of Michigan; Kuschick, Olivier, 22 Rue de Louvain, Brussels; Lyons, A. B., 102 Algar Avenue, Detroit; Perkin, Prof. A. G., F.R.S., Grosvenor Lodge, Leeds; Petit, A., Rue Favart 3, Paris; Schamelhout, Dr. A., 12 Rue Halibran, Ixelles; Shillinglaw, H., Victoria, Australia; Smith, H. G., F.C.S., Technological Museum, Sydney, N.S.W.; Wiley, Dr. H. W., Washington, U.S.A.

In connection with this matter, the secretary read a letter from Mr. W. F. Wells, Dublin, regretting to have to ask them to erase his name from the intended list of honorary members, stating that his activities elsewhere precluded him from accepting the distinction. The motion was agreed to.

CORRESPONDENCE

A letter was also read from the Science Museum, South Kensington, in regard to the re-arrangement and development of exhibits in the existing building. It was recalled that in January, 1913, council was set up to advise the Board of the Museum in regard to that matter. In consequence of the great need for economy in Government expenditure, however, the various suggestions in the resultant report were not acted upon. The work was going on very slowly, and now it was proposed to reduce the size of the Museum by one-third by utilising the Western Galleries for the purposes of a War Museum. It was decided, therefore, to bring the matter before the various kindred Associations interested in science and to call a meeting for the purpose of deciding what action should be taken.

Mr. ROWSELL proposed that the President should attend the meeting, and this the President promised to do, or to send some competent person in his place.

FINANCE COMMITTEE

The financial statement is summarised as follows:—Receipts since the last meeting, including a balance of £64 2s. 9d., amounted to £3,596 12s. 6d., comprising the following items:—Subscriptions, £1,940 8s.; examination-fees, £13 13s.; registration-fees, £306 12s.; certificates of qualification, 18s.; penalties, £46 2s.; "Pharmaceutical Journal" advertisements, etc., £1,000; "Pharmaceutical Journal" S.A. subscriptions, 12 1s. 6d.; pharmaceutical press publications, 3d.; "Pharmaceutical Pocket Book," £4 15s. 9d.; register of Chemists and Druggists, £11 16s.; P. Codex, 1923, £115; B.P. Codex Supplement, 2 1s. 5d.; interest on investments, £76 7s. 3d.; School of Pharmacy, 13s. 11d.; sundries, £1 14s. 8d. It was recommended that the treasurer be authorised to pay accounts amounting to £6,141 0s. 5d., and that the secretary's payments of sums totalling £636 18s. 5d. be

approved: The Committee also advised that a sum of £50 be contributed towards the cost of a scientific exhibit in the British Empire Exhibition, 1924. The recommendation of the Committee was also agreed to that the deficiency in the British Pharmaceutical Conference account be met out of the Society's General Fund.

EDUCATION COMMITTEE

The Committee reported they had agreed to recognise the Leyton County High School for boys and Woolwich Polytechnic for chemistry and physics, and for botany whenever the necessary classes in that subject were established in accordance with the Society's requirements. Arising out of the report on an interview which the chairman and secretary had with the Board of Education, it was agreed to recognise the botany courses of the Barnsley Technical Institute and the Eastbourne Technical School.

BENEVOLENT FUND

This Committee reported the following special contributions:—Liverpool School of Pharmacy (whist-drive and dance), £2 7s.; West Kent Pharmacists' Association, £3 3s.; W. Brown, London (box), 13s. 11d.; "Lion Drug Stores," Streatham Hill (weighing-machine), £1 7s. 6d.; Derby Borough Pharmaceutical Association (whist-drive), £4 0s. 6d.; Ealing Pharmacists' Association (whist-drive and box), £15; E. J. Raynor, Leyton (box), 2s. 11d.; Liverpool Chemists' Association (smoking concert), £109 14s. 8d.; Southampton Pharmaceutical Association, 13s.

The announcement of the Liverpool Chemists' Association's total was greeted with considerable applause, and Mr. MELHUISE reported that on his recent visit to that centre he was received with the utmost cordiality and hospitality. The magnificent sum realised at the concert, he thought, must be a record, or very nearly so, and in any case, considering the general state of pharmacy, it was a magnificent effort. He wanted to point out that every section of pharmacy assisted at that function. Undoubtedly Liverpool had set up a standard which could very well be imitated by other districts.

The PRESIDENT said he was particularly interested to hear that fine list of special contributions, and he wished to tender to all concerned his own and the thanks of the Council for the efforts made.

Mr. PARRY pointed out that the £600 down was really a drop in the ordinary annual subscriptions. It showed there was still a danger of men forgetting the Benevolent Fund.

The quarterly report of the Committee showed that during January ten grants were made, amounting to £259; in February thirteen grants, amounting to £345; in March ten cases with grants, amounting to £200, the amounts varying from £15 to £65.

WAR AUXILIARY BENEVOLENT FUND

The Committee had considered four applications, and in one case a grant of £10 was made, the others being deferred for inquiries. A statement covering the work of the Committee during the three months ended March 6, 1923, showed that twenty-three cases came before them and grants were made as follows:—

Month	Class 1.			Class 2.			Class 3.		
	Cases	Grants	Amts.	Cases	Grants	Amts.	Cases	Grants	Amts.
January ..	1	1	£ 10	—	—	—	5	4	£ 180
February ..	2	2	56	—	—	—	4	4	65
March ..	—	—	—	1	1	26	9	9	153
	3	3	66	1	1	26	18	17	400

[The classification was given in the C. & D., February 10, p. 198.] The report was adopted.

BRITISH PHARMACEUTICAL CONFERENCE

The Executive Committee met on April 24, and received a report dealing with the following matters, among others:—

Finances.—The chairman reported that the sub-committee appointed at the last meeting of the Executive recommended that the interest accumulated from the anonymous gift of Consols made in 1918 should be placed to the credit of the General Fund. This course was approved.

Annual Meeting.—Mr. Woolcock stated that arrangements for the social side of the annual meeting were well in hand. With regard to the reading of papers, it was thought that it would be found necessary to arrange for two or more papers to be taken contemporaneously, but it was considered that the classification into "Science Section" and "Practice Section" might lapse.

Meeting-place for 1924.—The President stated that this matter should be deferred to the Organisation Committee of the Society.

Corresponding Members.—The following were elected as corresponding members of the Conference:—Mr. Cecil J. House, B.Sc., A.R.C.S., Birmingham; Mr. Michael Condon, Knocklong; Mr. Wm. Scott, M.B., Radford.

The PRESIDENT, in moving the adoption of the report, said it was a comprehensive one, and it set out the work done very ably.

Mr. MELHUSH raised a point as to the differentiation between the practice and science sections. It appeared to him there was a great number of members who would not like to see the merging of these sections.

The PRESIDENT said the Committee took the view that there was really no need for difference in the classification. By having separate sections some papers might overlap one or the other, whereas all the papers would be read if there was no differentiation. The types of papers read would be exactly the same, and there would be several more papers read than formerly. There would sometimes be more than one being read at the same time; but then members must choose by the title which they would prefer. Greater prominence would be given to those papers of a general character.

Mr. PECK thought the practice paper should be read separately.

The PRESIDENT said that course would be pursued, but in effect there would be no actual labelling of papers.

This was all the public business.

POISONS AND PHARMACY ACT, 1908, SECTION 5

The following statement was handed to the Press:—

A letter was received from the Privy Council enclosing copy of the following circular which has been addressed by the Home Office (dated April 25) to the Police Forces regarding the enforcement of Section 5 of the Poisons and Pharmacy Act, 1908.

I am directed by the Secretary of State to inform you that he has recently had under his consideration the question of the enforcement of Section 5 of the Poisons and Pharmacy Act, 1908. [The Section and the Regulations under it are given, together with the names of the substances to which they apply.]

Special attention is called to this latter provision [that containers shall be distinguishable by touch] and to the requirement of Section 5 that bottles in which these substances are sold must be labelled, with the name of the substance and the word "Poisonous." If, as the Secretary of State understands, it is a common practice for shopkeepers to supply their customers with small quantities of these poisons in a bottle which the customer brings with him, it is probable that in such cases some or all of these requirements of the Section and the Order in Council are frequently overlooked.

From the information at present before the Secretary of State, it seems doubtful whether the provisions of this Section and of the Orders in Council made under it are as generally known or as uniformly and thoroughly enforced as it is desirable that they should be, having regard to their importance as a means of protecting the public from the dangers involved in the use of these poisonous substances for ordinary household purposes. He has accordingly conferred with the Privy Council Office and the Pharmaceutical Society as to the best method of improving the administration of these pro-

visions and of ensuring co-operation between the Police and Pharmaceutical Society for this purpose. The Pharmaceutical Society has no statutory responsibility in the matter, and as their inspecting staff is very small it would be impossible to ask them to undertake the duty of inspection or enforcement; but they have expressed their willingness to do all that they properly can do to assist the Police in carrying out the provisions of the section; and in the result the Conference recommended the following arrangement:—

(1) That the Police should be responsible for all prosecutions for offences against the section;

(2) That the Pharmaceutical Society should report in writing to the Chief Constable of the district any infringement of the section coming under their notice, together with the result of the inquiries, if any, which they have been able to make, and if the Police decide to prosecute, should give them all possible assistance in providing evidence—analytical and otherwise—in support of the prosecution without cost to the Police.

(3) If any case of an infringement comes to the knowledge of the Police otherwise than by a report from the Pharmaceutical Society it will be desirable that the Police should, before any proceedings are taken, notify the Society of the facts, and if any such case presents any difficulty, they should consult the Society as to the course to be adopted. The Society, on being so consulted, will, provided they concur in the view that the case is a proper one for the prosecution, furnish for the purpose of the proceedings—without cost to the Police—any evidence, analytical or otherwise, or other assistance which may be in their power to provide.

It is hardly necessary to call your attention to the value of the expert assistance which the Society is able to give in a matter of this kind, and it appears to the Secretary of State, in consultation with the Lord President of the Council, that the adoption of this arrangement and the establishment of a system of co-operation on the lines indicated between the Police and the Pharmaceutical Society, offer the best means of carrying out the provisions of Section 5 of the Poisons and Pharmacy Act efficiently.

The Metropolitan Police are acting upon this arrangement, and Mr. Bridgeman desires strongly to recommend that it should similarly be adopted for the area under your jurisdiction.—I am, Sir,

Your obedient Servant,
MALCOLM DELEVINGNE.

Annual Report

The following are the portions of the annual report of the Council which are of general interest to chemists:—

Finance.—The income of the Society during the year under review amounted to £43,345, compared with £47,868 for the preceding year; and the expenditure £36,077, compared with £39,206 for 1921. The decrease in income of £4,523 is more than accounted for by a drop of £5,478 in examination-fees, due to the diminished number of examination candidates. It is, however, noteworthy there has been an increase in the number of other students taking the Examinations. Members' subscriptions amounted to £780 more than in 1921, the increase in membership being more than double that for the previous year. Student associates' subscriptions were less by £248. It is satisfactory to record a reduction in all the principal items of expenditure, the net saving amounting to £3,150. The amount added to the accumulated fund for the year under review is £7,268, compared with £8,662 for 1921. It should be remarked, however, that of the £2,000 granted by the Council for the purposes of branch organisation only £315 was expended during the year, so that the excess of income over expenditure for the year is £8,953—£7,268 being on general account and £1,685 on branch organisation account. The assets of the Society have been entered at cost as in previous statements. Early in the year the Council was able to change most of the Society's short-dated securities for long-dated ones on advantageous terms, with the result that the high rate of yield then obtainable on a Government stock was secured for a much longer period. The transaction resulted, moreover, in an appreciation in value over the cost of £455 in the case of the General Fund, and £1,880 taking the whole of the funds together.

The Registers.—The number of names on the Register of Chemists and Druggists at the end of 1922 was 19,193, which is an increase of 657 over the preceding year. There has also been an increase of 328 in membership of the Society, the total on January 1 being 11,232. The number of limited companies and firms or partnerships entitled to carry on the business of a chemist and druggist in Great Britain now stands at 909.

Legal.—During the year 815 cases of suggested infringements of the Pharmacy Acts were investigated, and in 159 of these it became necessary to proceed for the recovery of penalties. In each case which went into court judgment was given in favour of the Society. Three thousand three hundred and fifty-seven shops of registered persons and bodies corporate were inspected for the purpose of ascertaining whether certificates of qualification were exhibited or as to comply with Sub-Section 1 of Section 3 of the Poisons and Pharmacy Act, 1908, and it is satisfactory to note that there were very few cases in which the law in this respect was not complied with.

Examinations.—The number of entries for the Qualifying examination during 1922 was 3,264, and there were 99 candidates for the Major examination, showing a decrease of nearly 400 on the former and an increase of 28 on the latter compared with the preceding year. Of those examined, 967 passed the Qualifying examination and 59 the Major.

Benevolent Fund.—The increase in the revenue from annual subscriptions to the Benevolent Fund alluded to in last year's report has not been maintained, and as against £2,344 in 1921, only £1,726 was received from this source during 1922. In some measure this may be accounted for by the general economic conditions of the country, which have tended to affect adversely all organisations of a charitable character dependent mainly upon annual voluntary subscribers. Interest on investments has also depreciated, largely in account of the fall in the Bank Rate, and there have been no special appeals on behalf of the Fund made during the last twelve months, as was the case during the corresponding period of the previous year. The total income of the Fund available for the relief of distress was last year £1,505 less than in 1921. In December last nine additional annuities were placed upon the permanent list, and there are now 49 recipients of a regular annual allowance, ranging from £20 to £50 per annum, according to the special circumstances of the case. The annual charge resulting is £1,816. Temporary relief £1,851 has been expended, representing nearly one hundred cases.

War Auxiliary Benevolent Fund.—A sum of £3,722 was expended in grants from the War Auxiliary Benevolent Fund during 1922, and the balance of the Fund has been reduced by £2,625. The Council, at its meeting in March, endorsed a recommendation of the Committee extending the scope of the Fund after providing for the complete fulfilment of the registered objects of the charity. The Council is desirous of emphasising the fact that in no case do the additions warrant the granting of assistance to persons who are not sons or daughters or dependants of persons who served during the late war.

The Journal.—As compared with 1921 a further considerable saving was effected during 1922 in respect of the price of printing paper, and there was also a slight reduction in the cost of printing, but the other charges, of which postage is one of the heaviest items, have continued on much the same level as in 1921. The appreciable recovery in the revenue from advertisements towards the end of 1921 referred to in last year's report did not develop progressively during the year, but there has been some improvement in this department.

Branch Organisation.—The work of organising the Society's members into branches is now almost completed. Twenty-six branches have been formed, and it is confidently expected that the whole scheme will be completed by the formation of the remaining eighteen branches in good time. The delegates to the British Pharmaceutical Conference will be appointed. A number of lectures on various subjects have already been given by one or other of the lecturers who are assisting the Council in this direction. It is hoped that by the commencement of next session the number of lecturers available will be much larger.

Education.—During the year representations were made to the University of London urging the institution by that University of a degree in pharmacy. The Council are entitled to announce that they have received an intimation of the establishment of such a degree has been accepted in principle by the Senate, and a committee has been appointed to work out details. The Council have gladly accepted the invitation of the University to nominate repre-

sentatives to serve upon that committee. A report of the Education Committee recommending a revision of the syllabus for the Society's Qualifying examination has been accepted by the Council. The Council are giving careful consideration to the question as to what alterations in the scope of and syllabus for the Major examination should be made, in the light of the proposed changes in the Qualifying examination and of the syllabus which may be finally adopted for the proposed degree in pharmacy.

Dangerous Drugs Act, 1920, and Dangerous Drugs and Poisons (Amendment) Bill.—The Council has been brought into close relationship with the Home Office in respect of the administration of the Dangerous Drugs Act, especially in regard to the provision of the Act whereby the Secretary of State consults the Society before removing the authorisation of any pharmacist who has been convicted of an offence against the Act. In no case has the authorisation been withdrawn against the advice of the Council, and the friendly relationships which have existed between the Council and the Department have enabled a number of difficulties which would otherwise have arisen to be obviated. In connection with the Dangerous Drugs and Poisons (Amendment) Bill, the President was consulted as to proposals affecting pharmacists before the Bill was introduced. As the Government proposed amending Section XVII. in one direction, the Council submitted a number of proposals for improving the Section, particularly in the direction of preventing evasions and of simplifying the procedure to be adopted by pharmacists in the case of the dispensing of poisons. Some of the proposals were adopted by the Government, but others had to be withdrawn on the assurance by the Home Office that they were not within the scope of the Bill, and therefore could not be moved. The Bill as introduced exposed the pharmacist to the risk of penalties of great magnitude for what might have been slight offences, and as a result of representations the Government put into a separate class of offences breaches of Regulations with regard to the giving and dispensing of prescriptions or the keeping of records.

Administration of Section 5 of the Poisons and Pharmacy Act, 1908.—This Section makes it an offence to sell certain substances such as ammonia, certain of the mineral acids, and carbolic acid containing less than 3 per cent. of phenols, except in accordance with Regulations providing for labelling and special containers. The Privy Council and the Home Office have been giving attention to allegations of laxity in complying with these Regulations. The Society was called into consultation, and the police authorities have had their attention called by the Home Office to these restrictions, and have been informed that the police should be responsible for prosecutions for offences under this Section, but that the co-operation of the Society should be secured. While the actual prosecutors will be the police, cases will be taken in consultation with the Society, who will give the police the value of its expert assistance in providing evidence, analytical and otherwise, in support of such prosecutions as in the opinion of the Society are justified.

British Pharmaceutical Conference.—Proposals were made to the British Pharmaceutical Conference for the taking over of the work of the Conference by the Society. At its annual meeting at Nottingham the Conference decided to accept a scheme which had previously been considered jointly by the Council and the British Pharmaceutical Conference Executive. Every member of the Society is now by virtue of his membership a member of the British Pharmaceutical Conference, entitled to attend and take part in the Conference proceedings. The Conference in the past has done much for the advancement of pharmacy and through its social functions in promoting the friendly reunion of those interested in pharmacy. The Council hopes that its usefulness in these directions will be enhanced by the change which brings to the work the full weight of the Society's influence and resources. The first annual meeting of the Conference under the new auspices will be held in London, commencing on July 23 next. In addition to the accredited delegates from the Society's branches, every member of the Society will be entitled to attend, and a record attendance is hoped for.

International Pharmaceutical Federation.—The meeting of the Central Committee of the International Pharmaceutical Federation was held last year in Brussels, and was attended by delegates from the Society. An invitation was conveyed from the Council asking the Federation to meet in London in 1923. This was accepted, and the meeting, to which all active and associate members of the Federation are being invited, will be held at the headquarters of the British Pharmaceutical Conference during the same week as the British Conference. The foreign delegates will be

the guests of the Society at all the social functions arranged in connection with the British Conference. A unique gathering of representative pharmacists of the world is anticipated.

Other paragraphs deal with the British Pharmaceutical Codex, the Society's School, the research laboratories, the Museum, pharmaceutical service in the Army, and alleged dispensing inaccuracies. A list is given of prominent men of science and pharmacists who have died during the year.

North British Branch

A MEETING of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on April 25, Mr. G. Shiach Kitchin in the chair. There were also present Messrs. Arthur, Fisher, Forbes, Glass, Guthrie, Jack, Kitchin, T. Mackenzie, McMillan, McNab, McVittae, Milne, and Simpson. After the annual statement of accounts, as transmitted to the Council, had been submitted, it was agreed that the next election of executive take place on June 20, and that the chairman and vice-chairman be appointed scrutineers. It was reported that since February 19, 1923, the work of the Interviewing Boards in Scotland had been practically finished, but it was hoped that members would continue to assist by giving their recommendations in any difficult cases that might still come before the Grants Committee. It was agreed that the pharmaceutical members of the Boards in Edinburgh, Glasgow, and Perth should, if further called upon, give their services as desired.

SALE OF METHYLATED SPIRIT

It was reported that, in connection with the conferences with the Convention of Royal Burghs, there had been received the reply of the Commissioners of Customs and Excise to the proposals of the Convention. These proposals fell under two heads:—

- (a) The control of the retail distribution of methylated spirits by the local authority and the police, including provision for records of sales and purposes for which sold, and
- (b) The labelling of vessels containing methylated spirits.

The communication also dealt with the comments by the Executive of the North British Branch on the foregoing proposals under three headings:—

- (1) That the proposals at (a) would be cumbersome and impracticable in the case of a liquid frequently required at short notice, and would needlessly restrict retail purchasers of the spirits for legitimate purposes, but that the provisions of Section 126 (1) (h) of the Spirits Act, 1880, requiring a retailer to keep an account of his stock and sales of methylated spirits should be generally enforced;
- (2) That the adoption of the proposal at (b) is desirable;
- (3) That mineralised methylated spirits should be scheduled as a poison under Part II. of the Pharmacy Act, as amended by the Poisons and Pharmacy Act, 1908.

With regard to the universal enforcement of Section (1) (h) of the Spirits Act, 1880, the Commissioners considered it would impose an unnecessary and burdensome restriction on trade. The Commissioners were, however, prepared to apply the provisions of the Section to any retailer whom the police had good reason to suspect of encouraging any illicit supply. The Commissioners doubted whether the labelling of vessels would provide an effective remedy against illicit traffic. They would, however, be prepared to consider the matter further, in connection with any legislative proposals on the subject. With regard to scheduling mineralised methylated spirit as a poison, it was not within the province of the Department to recommend an amendment of the law in that direction. Apart, however, from the question whether the spirit is, in fact, a poison, the adoption of the proposal would be open to objection in view of the various manufacturing and domestic purposes for which the spirit is used. Whenever satisfactory evidence was available the Department exercised their legal powers as far as possible to prevent the preparation, sale or use of methylated spirits as or for a beverage. The question as to how far further steps should be taken to prevent illicit traffic in methylated spirits appeared to the Commissioners to be one affecting mainly the public health. They were now in correspondence with the Under-Secretary for Scotland on this

aspect of the matter. At the request of the Convention of Royal Burghs for observations on the reply from the Commissioners of Customs and Excise, it had been pointed out that:—

(1) The production of a licence or certificate from the magistrates would secure the *bona fides* of any applicant for an Excise licence for the retail sale of methylated spirits. At the present moment any person who pays the licence duty can obtain a licence, and the proposal to have a magistrate's certificate would be a salutary check on the granting of a licence to untrustworthy persons;

(2) The proposal to authorise the police, as well as the Commissioners of Excise, to recover penalties for the illicit sale of methylated spirits would mean the more effectual application of the existing legislation against illicit sales.

The Executive regarded these proposals as advantageous, but did not think scheduling methylated spirit as a poison would have the effect of interfering with its free purchase for legitimate purposes by the general public, while it would secure more effectual control of the retail traffic. It was noted that the Commissioners are handing over the problem of the illicit traffic in methylated spirits to the Scottish Board of Health, with whom the Executive had also been in communication on the subject. With regard to the suggestions made at an evening meeting, in a communication by Mr. A. B. Gilmour on methylated spirit in medicinal preparations, a reply had been received from the Commissioners of Customs and Excise. Mr. Gilmour stated objections to the presence of methyl violet in mineralised methylated spirit and suggested its omission because (1) it served no useful purpose, (2) the colour could be very easily discharged, (3) it was objectionable from the point of view of the use of mineralised methylated spirit for medicinal purposes. To this the Commissioners replied that they did not agree that the use of methyl violet did not serve the purpose for which it was intended. The fact that methylated spirit drinkers used means to remove the colour was evidence that it had some considerable deterrent effect. The retention of the colour was a matter of considerable revenue importance in prevention and detection of mistakes and irregularities in the distribution and use of the spirit. With regard to the objections to methyl violet in mineralised methylated spirit used for medicinal purposes, they made the following observations:—

(a) The actual amount of colour in one of the prepared lotions mentioned is infinitesimal (about 1/160th ounce to 100 gallons of lotion);

(b) other lotions contain staining ingredients (e.g., picric acid) apart from the dye of the spirit; and

(c) although patients may object to the colour because it may reveal that treatment is being carried out which might otherwise pass unnoticed, my Commissioners are advised that methyl violet may possibly have a distinct therapeutic value.

There had been received from the Convention of Royal Burghs a suggestion made in the "Glasgow Herald" by an anonymous correspondent describing himself as a chemist, suggesting the addition of two drops of croton oil to the gill as an effective deterrent, which would in no way interfere with the action of the spirit if used for industrial purposes, and asking the opinion of the Executive as to its feasibility. To this a reply had been sent indicating that such an addition of such a powerful drastic cathartic and irritant would be dangerous and would seriously interfere with the industrial use of methylated spirits, and was therefore quite inadmissible as a denaturant. It was remitted to the General Purposes Committee to watch over the subject and take any steps likely to be helpful in checking the evil in co-operation with the Convention of Royal Burghs or Public Authorities in Scotland.

EDUCATION, CURRICULUM AND QUALIFICATION

Various points with reference to training institutions were considered. It was reported that the suggestion made by the Executive had been given effect to by the Council in regard to the Preliminary examination standard. In this connection there seemed widespread ignorance or neglect on the part of apprentices or employers, who failed to take the precaution of registering

as a student before beginning apprenticeship. It was agreed to emphasise this point in reporting the proceedings. The question of firms and partnerships in Scotland and the position of army compounders in hospitals were considered. There was submitted a communication from George Heriot's Trust and the Education Authority of Edinburgh with reference to a proposed Commercial College in Edinburgh. Mr. W. S. Glass and the resident secretary were appointed representatives to attend a meeting to consider the proposal.

RETAIL PHARMACISTS' UNION MANIFESTO

It was reported that immediately on learning that, without the knowledge or consent of the Council, the Retail Pharmacists' Union had issued a three-column advertisement in the "Scotsman" newspaper, and offered supplies of window-posters and counter-bills relating thereto, the chairman, in consultation with his colleagues, wired the secretary of the Retail Pharmacists' Union to prevent the appearance of the advertisement in any other newspaper printed or circulating in Scotland, and making request that no documents of the nature referred to be circulated anywhere in Scotland by the Retail Pharmacists' Union. The wire was followed by an explanatory letter, indicating that Scottish pharmacists deprecated the issuing of such a manifesto. Complaints having been received that documents had arrived, despite the chairman's request, it was renewed, but without any result. Beyond an acknowledgment of the communications no reply had been received from the Retail Pharmacists' Union. The Executive unanimously approved of what had been done by the chairman. They did not for a moment call in question the *bona fides* of the Retail Pharmacists' Union, and had no doubt that their intentions were the very best, and regarded by them as calculated to disabuse the public mind of the damaging statements so indiscriminately published by a professional man holding a responsible position in the public service. At the same time, they were unanimously of opinion that, while it was undesirable to take any further notice of the incident, the procedure was to be regretted.

POISON LICENCES

It was reported that assistance had been given to pharmacists in rural areas objecting to the indiscriminate granting of licences for the sale of sheep-dip and weed-killer. Emphasis had been put upon recent cases in which arsenic for criminal purposes had been obtained from holders of such licences. The strong statements made by Dr. Willcox in Glasgow were also pointed out.

SALE OF LYSOL AND SUBSTANCES SO-CALLED

It was reported that there had been a good deal of trouble as to alleged sales of lysol by unqualified persons. On inquiry it was ascertained that a liquid called lysol, alleged to contain less than 3 per cent. of phenol, and therefore not a poison within the meaning of the Pharmacy Acts, was being sold by unqualified persons. The extreme danger of a comparatively innocuous substance being sold as lysol, which contains about 50 per cent. of cresol, had been pointed out to the makers, but as yet no satisfactory reply had been received.

Other matters dealt with included the establishment of branches of the Society in Scotland, accuracy in dispensing, the Institute of Chemistry and the title chemist.

Branch Meetings

Leamington.—The Warwickshire Pharmaceutical Association met on April 26 to consider the formation of the Warwickshire Branch of the Pharmaceutical Society. Mr. Chater, assistant secretary of the Pharmaceutical Society, was present and addressed the Association. After several questions, it was unanimously resolved that a branch of the Society be formed, and the officers elected were:—*President*, Mr. Hutton; *Secretary*, Mr. Chas. Davis; *Committee*, Miss Harris (Dorwich), Mr. Pratt (Warwick), Messrs. Nundy and Price (Leamington), Messrs. Welton and Williamson (Coventry), Messrs. Ester, senior and junior (Nuneaton), Mr. Fleet (Rugby), Mr. Perkins (Henley-in-Arden), and Mr. Woodis (Kenilworth).

Westminster Wisdom

By the "C. and D." Parliamentary Representative

MEDICAL HERBALISTS (REGISTRATION) BILL

This bill, introduced by Lieut-Commander Kenworthy, proposes to establish a general medical herbalist council and a register of medical herbalists. Penalties are provided for the unlawful assumption of the title "registered medical herbalist" and for falsification of the register. On the council which it is proposed to set up there would be six persons who at the passing of the Act are the President, Vice-President and members of the council of the National Association of Medical Herbalists of Great Britain, Ltd.

POST-OFFICE DISPENSER'S SALARY

Mr. Middleton asked the Postmaster-General, on April 26, whether he is aware that the assistant dispenser at the General Post Office has been performing the duties of the dispenser for a lengthy period without extra remuneration; and whether he will consider the matter with a view to granting a special allowance for the extra responsibility?

Sir W. Joynson-Hicks replied that the assistant dispenser has been performing the duties of the chief dispenser since January 8. His pay is equal to the minimum of the chief dispenser's scale, and in the circumstances no increase is possible under the standing rules of the Service.

TABLE WATERS DUTY

Mr. Peto asked the Chancellor of the Exchequer on April 26 whether his attention has been called to the fact that pure water bottled at the spring is now dutiable under the term table water at 8d. per gallon; and whether, in order that pure water should be free of tax, he will consider altering the description table waters to aerated or manufactured table water?

Mr. Baldwin replied that he was advised that natural waters are liable to Table Water Duty if sold in bottle, provided that they are not solely used as a medicine. He was unable to adopt the suggestion contained in the last part of the question.

IMPORTS OF POTASH SALTS

In reply to a question in the House of Commons on April 12, the following statistics were given of the quantities and declared values of potassium salts largely but not wholly used for manurial purposes imported into the United Kingdom and registered as consigned from Germany during the years 1920, 1921 and 1922, were as follows:—

(a) Potassium Chloride:		Quantity imported Cwts.	Declared Value thereof £
1920	...	119,447	140,261
1921	...	83,612	62,562
1922	...	348,201	147,334
(b) Kainite and other potash fertiliser salts, not else- where specified:			
1920	...	230,077	119,190
1921	...	607,648	118,664
1922	...	1,989,618	189,366
(c) Potassium sulphate:			
1920	...	103,450	127,889
1921	...	47,870	39,465
1922	...	156,473	95,553

It was also stated that no very reliable data exist of the extent to which potash is used by agriculturists, but in 1912 it was estimated that 80,000 tons was so employed in the United Kingdom. In 1922, the imports into Great Britain and Ireland of potassium compounds (excluding nitrate of potash) amounted to 200,357 tons of an average value of about 93s. per ton, but it cannot be stated how much of this was used for manurial purposes. [The foreign trade statistics for 1922 issued by the German Government give the following quantities as exports to Great Britain: Potassium chloride, 19,174 tons; potassium sulphate, 8,823 tons.—EDITOR.]

Festivities

Newbery's Garden Party

ON April 21 the members of the Heathfield Tennis Club (Francis Newbery & Sons, Ltd.) were entertained by their President, Mr. Francis R. Newbery, at a garden party at his house at South Croydon. The weather was fine, and after an interesting visit to the old Whitgift Hospital and a ramble over Croham Hurst, they assembled in the garden for tea and photographs. A pleasant evening was passed with music and games.

Smoking Concert at Birmingham

THE Birmingham Pharmaceutical Association held a smoking concert at the Grand Hotel recently. About fifty members and friends attended, and Mr. H. H. Marshall presided. The following artists contributed to the programme: Miss Irene Barry, L.R.A.M., Miss Corfield, Miss Beryl Stoakes, Mr. Thomas, Mr. T. Collins, and Mr. Willis. A collection was afterwards made on behalf of the Benevolent Fund, and amounted to £1 12s. 5d.

Whist-drive at Glasgow

A WHIST-DRIVE was held in the rooms of the Glasgow Pharmacy Club on April 17. About eighty-four ladies and gentlemen took part. After tea, songs, pianoforte selections and readings were rendered by Mrs. Smith McLeod, Mr. Smith McLeod, and Mr. Geo. Reid. The prizes were presented to the winners during an interval by Mrs. Dow as follows: *Ladies*, Miss L. W. Kilgour, Miss McKay; *Gentlemen*, Mr. D. McNicol, Mr. J. Crombie. Mr. H. P. Arthur, President, occupied the chair.

Southend's President Entertains

MR. A. H. CARPENTER, the President of the Southend-on-Sea Association of Pharmacists, recently entertained the members of the Pharmacists' Cricket Club and their friends at Purcell House, London Road, to a social evening. Whist, table tennis and other games were provided, and an excellent vocal and instrumental programme was sustained by Mrs. Carpenter, Misses Folkard, Ewer, Parry, Verdon, Forstick, and Gaylor. After supper had been served a vote of thanks to Mr. and Mrs. Carpenter was carried with acclamation.

Southend Chemists' Whist-drive

A SUCCESSFUL whist-drive, at which nearly 200 were present, organised by the Southend-on-Sea Pharmacists' Association (entertainments section), was held recently, part of the proceeds being forwarded to the Orphan Fund of the Pharmaceutical Society. The prizes, which had been given by May, Roberts & Co., Ltd., Burgoyne, Burbidges & Co., Ltd., Butler & Crispe, Potter & Clarke, Ltd., G. B. Kent & Sons, Ltd., the Erasmic Co., Ltd., J. & E. Atkinson, Ltd., and others, were handed to the winners by Mrs. Carpenter. A pleasing feature of the evening was a presentation by the President, Mr. A. H. Carpenter, to the M.C., Mr. Norman Fox.

Visits to P. D. & Co.'s Works

THE South-East London Chemists' Association paid a visit of inspection to the laboratories of Parke, Davis & Co. at Hounslow on April 26. About seventy members and friends, including a number of ladies, were conducted from New Cross Gate in three charabancs provided by the firm. At the works they were received by Mr. Fisk (general manager), Mr. Cathcart (works manager), and others. After a group photograph had been taken the party was shown the mixing of tooth paste and the various packing operations. The printing department occupies an entire floor, and the tablet, pill-making, and capsule-filling machines were examined with great interest. Tea was served in the large dining-hall, and when cigars and cigarettes had been passed round a souvenir box was presented to both ladies and gentlemen. A visit to the works was also paid by the Southend-on-Sea Association of Pharmacists on April 25.

The Finishing Touch

THE last of the season's functions, so far as the Western Pharmacists' Association (of London) is concerned, took the form of a supper and whist-drive at Slater's Restaurant, 192 Oxford Street, on April 26. There was the usual cheery welcome from the President and Mrs. Shirliff, and the *badinage* that played among the 120 kindred souls present dispelled effectively even the thunder clouds raised by a crop of local "dispensing tests." At the supper, which preceded the drive, the President reminded all members of the Society present that Mr. A. R. Melhuish (one of their Vice-Presidents) was a candidate for re-election to the Pharmaceutical Council, and that he ought to be at the top of the poll, with Mr. A. R. Keith (who was likewise present) as a good second. Besides those already mentioned, among others who participated were Mrs. Keith, Mr. and Mrs. E. White, Mr. and Mrs. T. Marns, Mr. and Mrs. C. Andrews Pratt, Mr. and Mrs. C. A. Noble, Mr. and Mrs. H. S. Watson and Miss Watson, Mr. and Mrs. Gardner, Mr. and Mrs. Arthur Jenkin, Mr. and Mrs. G. A. Tocher, Mr. and Mrs. Mumford, Mr. and Mrs. N. H. Schollar, Mr. and Mrs. W. Chalmers, and Messrs. J. P. Ellerington, J. W. Royle, B. R. Wilkinson, George Roe, and the indefatigable Mr. Harry Martin. As a result of the play the prizes were won as follows:—*Ladies*: (1) Miss Muriel Watson, (2) Mr. Alfred Roe (playing as a lady), (3) Mrs. Schollar; hidden-number prize, Mrs. H. S. Watson; spot prize, Mrs. Roberts. *Gentlemen*: (1) Mr. MacKenzie, (2) Mr. F. M. Harris, (3) Mr. Nox n; hidden-number prize, Mr. George Tocher; spot prize, Mr. F. M. Harris.

Exeter Chemists' Dinner

THE annual dinner of the Exeter branch of the Pharmaceutical Society was held on April 25. Mr. Philip F. Rowsell (President of the Branch and Mayor of the City) presided. Professor Lewis (Professor of chemistry at the University College of the South-West), in giving the "Pharmaceutical Society of Great Britain and Kindred Societies," said it was of supreme importance to the community that there should exist a society which saw to it that there was a competent supply of trained men who possessed expert skill in the practice of pharmacy. No one could doubt that the Pharmaceutical Society performed its duties with the utmost competence. Professor Lewis appealed to practising pharmacists to support the School of Pharmacy connected with the University College. The fact that several colleges are contemplating degrees in pharmacy showed that there is a growing appreciation of the academic dignity and the status of the pharmaceutical profession. The President, responding, referred to the separation of pure pharmacy from the trading side of the profession and to the growth of branches under the new organisation. He urged the importance of including students of the profession, and declared that in the next two to three years every qualified chemist would feel he must be within the Society. The time would come when pure pharmacy would be practised by a large number of men in this country; when it would be conducted on the same lines as it was at present in many parts of the Continent. Referring to the development of the University College of the South-West, Mr. Rowsell said he believed there would be a medical school at Plymouth, in which case the school of pharmacy would have to go with it. He appealed to the chemists of Devon and Cornwall, and, perhaps, those of Somerset and Dorset, to raise £500 to establish a scholarship in pharmacy in connection with the University, so as to have a greater claim on the University for the continuance of the school of pharmacy. The Exeter Branch was willing to hand over as a nucleus of the fund the proceeds of a recent whist-drive. There had been a few promises of ten guineas, and if every chemist gave a couple of guineas the object would be accomplished. Mr. D. A. Evans also responded. Mr. M. T. Foster submitted "The Visitors." "The Chairman" was proposed by Mr. W. J. Shepperd, who referred to Mr. Rowsell's splendid services. There was an excellent musical programme.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Local Reports

Blackburn.—A meeting of the North-East Lancashire Branch of the Pharmaceutical Society was held on April 24, Mr. R. L. Gifford presiding. Mr. Law said he had received £12 5s. from the Society towards the expenses of the Branch, on the basis of 88 members and 14 student associates. A letter was read from the Manchester Association requesting support for the candidature of Mr. E. H. Simmons at the forthcoming council election. The chairman said that the election is one of the most important that have taken place for some time. There is to-day, he said, evidence of "stunts" which aim at undermining the Insurance Act. There are powerful interests at work which do not mean any good to chemists, but rather aim at inflicting a great deal of harm. The branch rules were approved on the motion of Mr. R. H. McMyn, seconded by Mr. Isherwood. Mr. Grimshaw was unanimously appointed the honorary treasurer of the branch. It was agreed to recommend members to pay 2s. 6d. each to the funds of the branch for 1923, in addition to the half-crown contributed towards incidental expenses by the Society. Having considered the question of apprenticeship the Blackburn Branch suggest that a form of indenture should be insisted upon, after the passing of a preliminary examination. Indentures should be of five years' duration, and facilities should be given for some recognised course for Part I. Remuneration should be as follows:—First year, 20s. per month; second year, 30s. per month; third year, 40s. per month; fourth year, 60s. per month; fifth year, 100s. per month. Councillor Grimshaw asked whether it was proposed to send a representative to the conference from the North-East Lancashire district? If there was a resolution in their name concerning the apprenticeship question, it would be desirable to have a representative there to speak in its support. It was, therefore, agreed to send a delegate, and Mr. Gifford was appointed.

Essex.—At a meeting of the Insurance Committee, on April 24, Mr. J. H. Burrows (chairman) presiding, it was reported by the Finance Sub-Committee that provision had been made for payment to non-dispensing practitioners at the rate of 1s. 3d. per annum per hundred persons for drugs and appliances used in cases of urgency. The following amounts have been paid on the drug-fund account: To doctors who do not dispense, £135 13s. 1d.; to doctors dispensing in rural areas for the quarter ended March 31, £1,628 4s. 6d. (on account); to chemists on account of drugs supplied, £7,795 7s. 6d. The Pricing Committee had furnished particulars of prescriptions dispensed in November and December 1922 and January 1923. Mixtures for internal use, value 30d. or over, numbered 138, varying from 2s. 6d. to 6s. a mixture. Proprietary preparations, value 42d. or over, numbered 46, varying from 3s. 7d. to 13s. 7d. a preparation. Dressings, value 72d. or over, numbered 23, varying from 6s. to 14s. 2d. each. Preparations and appliances, value 72d., numbered 34, varying from 6s. to 42s. 3d. each. The approval of the Ministry of Health to payment out of the drug fund for the supply of volcanic mud to an insured person had been obtained. Six names had been added to the panel list of chemists, and five had been withdrawn.

Exeter.—At the quarterly meeting of the Devon Insurance Committee, on April 23, Mr. Philip F. Rowsell (chairman) presiding, it was stated that the number of chemists on the Committee's list at the beginning of the year was 165, an increase of three during the year. The Medical Benefit Sub-Committee had resolved that practitioners should be informed of the importance of the name and address of the patient appearing legibly on each prescription, and the resolutions were approved. Statistical data for 1922 furnished by the South-Western Joint Pricing Committee showed that the total cost per insured person for Devon was 39.2d., compared with an average total cost for the whole area of 30.6d.

Kent.—At a meeting of the Insurance Committee at Maidstone, recently, it was reported that during 1922 845,671 prescriptions were dispensed, the value of scripts being as follows: Ingredient prices, £16,063 10s. 11d.; dispensing fees, £17,622 10s. 2d.; average value, ingredient price 4.6d., dispensing fee 5d. The Medical Benefit Sub-Committee reported that of six samples taken five were accurately dispensed, the sixth being slightly deficient in pulv. rhei, but not sufficient to warrant further action. The Pharmaceutical Service Sub-Committee reported having given consideration to an alleged breach (subsequently established) of the terms of service on the part of a chemist who had ceased to supply drugs and appliances without giving appropriate notice. The business had been sold to a firm of chemists, who, in turn, disposed of it to a third party, who were not registered, and who were, therefore, not entitled to trade individually as a chemist and druggist, but a company was formed on December 6. In the absence of any agreement it was recommended that the committee need not pay for prescriptions dispensed by the firm. It was recommended also that payment be made to the third party, as a qualified manager was employed during the whole period, and also as ignorance regarding the requirements of the position was pleaded. The report was adopted. Reference was also made to a previous recommendation that the continuance of a Tunbridge Wells firm upon the list of persons supplying drugs and appliances was prejudicial to the efficiency of the service. The decision of the Minister of Health was that £5 be withheld from the supplementary grant to the firm of chemists, who were called upon to pay all the costs of the hearing. A special sub-committee is dealing with the question of hours of service after the pharmacies have been closed.

Leamington.—At a recent meeting of the Warwickshire Insurance Committee it was decided that virol should be classified as a food. The testing of medicines supplied by chemists was raised, and it was decided to postpone any action until after consultation with the Panels Committee. During 1922 239,249 prescriptions were dispensed at a total cost of £9,959 10s. 3d., giving an average cost per prescription of 9.5d. (dispensing fee 4.5d., ingredient price 5d.).

London.—The monthly meeting of the Insurance Committee was held on April 26, Mr. F. A. Thomas (chairman) presiding. On the recommendation of the Finance Sub-Committee, accounts amounting to £19,209 1s. 9d. were directed to be paid to chemists for the medical year 1922-23. Mr. E. T. Campbell brought up the report of the Pharmaceutical Service Sub-Committee, stating that action against some chemists under the Sale of Food and Drugs Act had been taken. It has been decided that as the chemists have been suitably dealt with, no further action is necessary. But an appropriate communication will be despatched to the chemists concerned, informing them that the Committee have been made aware of the proceedings, stating that the pharmaceutical service desire an efficient service. The action of the Sub-Committee was approved.

Portsmouth.—In 1922 194,971 prescriptions were issued for 69,150 patients, and the chemists were paid on an average 8.4d. per prescription. The number of insured persons entitled to medical benefit in Portsmouth had increased from 52,523 in 1913 to 69,168 in 1922. The total number of prescriptions issued in the South-Eastern Division was 3,554,662 at a cost of £135,254.

Sheffield.—A meeting of the Insurance Committee was held recently, when three names were added to the panel list. There was one resignation. Six additional preparations and elastic web bandages may now be supplied by doctors under the distribution scheme. The special sub-committee has recommended a certain procedure to be observed in the taking of further samples from chemists for examination. The amount paid to chemists during 1922 was £15,491 9s. 3d., against £16,332 7s. during 1921. The sum of £48 19s. 2d. was paid for the analyses of medicines. On December 31 there were sixty-three chemists on the list, with eighty-eight places of business. Payments in April to chemists amounted to £1,340 5s. 11d.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1923, p. 289.

(From "The Trade-marks Journal," February 28, 1923.)

- "BIDOR"; for all goods (3). By International Laboratories Actien-Gesellschaft, Arlesheim, Switzerland. 431,162.
- "MYLET"; for pharmaceutical preparations (3). By W. H. Upjohn, Granville House, Arundel Street, London, W.C.2. 432,342.
- "PULMOCARDINE"; for medicinal chemicals (3). By J. Perrochon, 57 Rue Origet, Tours, France. 432,351.
- "JOHN KYNASTON," facsimile signature; for medicinal chemicals (3). By Mercer Ward, Ltd., 63 Blandford Street, London, W.1. 432,367.
- "BANODA"; for medicinal chemicals (3) and for perfumery, etc. (48). By Saltrates, Ltd., 22 Euston Buildings, George Street, London, N.W.1. 432,381/382. (Associated.)
- "COWSLIP"; for chilblain remedies (3). By Lilian M. Collins, 320 Trinity Road, Wandsworth Common, London, S.W.18. 432,428.
- "INFLAMAKURE"; for medicinal chemicals (3). By J. M. Mitchell, "The Crown," Bridge Street, Maidenhead. 432,432.
- "HAEMOBAM"; for medicinal chemicals (3). By P. M. Duff, 143 Dumbarton Road, Partick, Glasgow. 432,545.
- "SPEDIFER"; for medicinal chemicals (3). By B. Redford, Ltd., 9 Progress Buildings, Cheetham Hill Road, Manchester. 432,574.
- "PROLONGAL"; for medicinal chemicals (3). By Farbenfabriken vorm. F. Bayer & Co., Leverkusen, nr. Cologne; Germany. 432,674.
- "SCOTCH GINGER WINE ESSENCE," with device of waiter carrying bottle on tray; for beverage preparations (42). By W. B. Cartwright, Ltd., Mount Vernon Road, Larkfield, Rawdon, nr. Leeds. 432,104.
- "TAPIR," under picture of same; for goods (47) and for perfumery, etc. (48). "KINGFISHER"; for perfumed soap (48). By G. W. Goodwin & Son, Ordsall Lane Soap Works, Manchester. 432,846/847/380. (Associated.)
- "PIP"; for powder puffs (48). By Furs, Unlimited, Edgehill, Warlingham, Surrey. 431,176.
- "ALAGBARA"; for perfumery, etc. (48). By R. & M. Neville, 25 Hamilton Road, Ealing, London, W.5. 431,576.
- "MANCO"; for perfumery, etc. (48). By Taylors' Drug Co., Ltd., 347 Burley Hill, Leeds. 432,053. (Associated.)
- "LILAC TIME"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, London, E.15. 432,563.
- "SWAN DOWN"; for toilet powders (48). By Henry Tetlow Co., 255 South American Street, Philadelphia, U.S.A. 430,190. (Associated.)

(From "The Trade-marks Journal," March 7, 1923.)

- "BARNET MATT-EMULSION PLATES" and "BE WISE IN TIME," with device composed of letter B, owl and hour glass; for photographic plates (1). By Elliott & Sons, Ltd., Talbot House, Park Road, Barnet, Herts. 426,764. (Associated.)
- Device of ball on fancy wooden stool; for chemicals (3), medicinal chemicals (3), food substances (42), and for goods (50). By J. Walkden & Co., Ltd., 60 Whitworth Street, Manchester. 432,406/407/413/416. (Associated.)
- "PETRICOL"; for a veterinary medicine (2). By R. Bollack, 46 Rue Lamartine, Paris. 430,953.
- "GRAESANTO SHEEP DIP," etc., with outline sketch of sheep; for sheep dip (2). By the Graesser-Monsanto Chemical Works, Ltd., Cefn, Ruabon, North Wales. 429,205. (Associated.)
- "FLITS CACHOUS PUT ALL GERMS TO FLIGHT," with descriptions and name of applicants; for medicated cachous (3). By The Antiseptic Cachou Co., 56 London Road, Southampton. 419,813.
- "THE S V BRAND," forming device ("S V" disclaimed); for medicinal chemicals (3). By B. Atha, Ltd., 83 Kirkstall Road, Leeds. 431,944.
- "S.O.S. SALTS" on tumbler held in hand ("S.O.S." disclaimed); for medicinal salts (3). By The Red Band Chemical Co., 15a Richmond Terrace, Dalry Road, Edinburgh. 432,365.
- "STOVARSOOL" and "SONERYL"; for medicinal chemicals (3). By Les Etablissements Poulenc Frères, 92 Rue Vieille-du-Temple, Paris. 432,473/474.

- "AMATIN"; for medicinal chemicals (3). By A. Chimica Industrial "Bayer" Weskott & Co., Trav. Santa Rita 22-24, Rio de Janeiro, Brazil. 432,673.
- "ARC DYES" on oblong label; for packet dyes (4). By The Wick Chemical Co., 187 Victoria Park Road, London, E.9. 431,162.
- "ZEPHYR"; for hair dye (48). By Glorias, Ltd., 18 Conduit Street, London, W.1. 427,011.
- "ARBECOL"; for perfumery, etc. (48). By Reddgrave, Butler & Co., 29 Forest Lane, London, E.15. 428,331.
- "RODIOU"; for cosmetics (48). By V. G. Steinhart, M. Neville and J. Roddie, 5 New Bond Street, London, W.1. 429,316.
- "POMEROY SKIN FOOD," with floral device on square label. "POMEROY DAY CREAM" on label device; for toilet creams (48). By Mrs. Pomeroy, Ltd., 115 Harwood Road, Waltham Green, London, S.W.6. B451,472/473.
- "HENNEXTRE," etc., on square label; for dyes for the hair and beard (43). By A. J. Chabrier, 48 Passage Jouffroy, Paris. 431,673. (Associated.)
- "JUPITER" with picture of same on circular label; for perfumery, etc. (48). By F. J. Hunt & Co., Ltd., Bow Bridge Soap Works, High Street, Stratford, London, E.15. 432,318. (Associated.)
- "TILSORINE"; for perfumery, etc. (48). By Tiller & Smith, 52 Aldersgate Street, London, E.C.1. 433,033.
- "VULCAN"; for shaving brushes (50). By Aston Brush Works, Waterworks Road, Edgbaston, Birmingham. 432,690.

(From "The Trade-marks Register," March 1, 1923.)

- "STOSHIELD"; for chemicals (1). By Spedol Manufacturing Co., Ltd., Beehive Wharf, Catharine Wheel Yard, High Street, Brentford, Middlesex. 431,553.
- Device of cross on cushion shape; for chemicals (1). By Jensen & Nicholson, Ltd., Warton Road, Stratford, Essex. 431,377.
- "MYSTOL"; for goods (1). By The Auto By-Products Co., 41 North John Street, Liverpool. 432,103. (Associated.)
- "DUOPLEX"; for photographic plates and films (1). By The Imperial Dry Plate Co., Ltd., Cricklewood, London, N.W.2. 432,738.
- "PLEXOSOTE"; for a creosote wood preservative (1). By Burt, Boulton & Haywood, Ltd., Salisbury House, London Wall, London, E.C.2. 432,943.
- "SULPHAX"; for aniline dyes containing sulphur (1). By Ajax Aniline Dye Manufacturing Co., Ltd., 119/120 London Wall, London, E.C.2. 432,972.
- "NEOCARNIS"; for chemicals (2). By M. Mennerat, 25 Rue de Tocqueville, Paris. 432,191.
- "B. I. PRODUCTS. IMPERVIOUS POROUS UNIQUE," surrounding device including letters "B. I." and sketches of bee and eye ("B. I." disclaimed); for goods (3). By J. C. Grant, Holly Lodge, The Terrace, Barnes, London, S.W.13. 431,825. (Associated.)
- "HEMOGENOL"; for medicinal chemicals (3). By Boulanger-Dausse & Cie., 4-8 Rue Aubriot, Paris. 431,864.
- "ENDOCORPS VACCIN"; for vaccines (3). By Compagnie Nationale de Matières Colorantes & de Produits Chimiques, 134 Boulevard Haussmann, Paris. 431,659.
- "SOX"; for a medicated sweetmeat (3). By H. Firth & Sons, 30a Argyle Street, Mossley, Lancashire. 432,046.
- "SPIOZA"; for ointments and lotions (3). By H. S. Hamlin, 81 Woodville Road, Thornton Heath, Surrey. 432,122.
- "RHODAZYL"; for pharmaceutical preparations (3). By Société Chimiques des Usines du Rhône, 21 Rue Jean Goujon, Paris. 32,510. (Associated.)
- "HAYAH"; for medicinal chemicals (3). By Hayah, Ltd., 4 High Street, Croydon, Surrey. 432,591. (Associated.)
- "REMEDIOL"; for medicinal chemicals (3). By Bruce's, Ltd., 28 Broadway, Ealing, London, W.5. 432,973.
- "EXOGERM"; for medicinal chemicals (3) and for perfumery, etc. (48). By Taylor's Drug Co., Ltd., 347 Burley Hill, Leeds. 433,027/028. (Associated.)
- "LIASPRIN"; for medicinal chemicals (3). By Arthur H. Cox & Co., Ltd., 93 Lewes Road, Brighton. 433,050.
- "DR. SCHOLL'S FOOTEAZER," with device of foot and arch support, and facsimile signature ("Dr. Scholl's Foot-eazer" disclaimed); for foot arch supports (11). By The Scholl Manufacturing Co., Ltd., 1-4 Giltspur Street, London, E.C.1. 424,158. (Associated.)
- "EUCALONE"; "THE HEART OF A ROSE"; for perfumery, etc. (48). By The Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove, Sussex. 420,911; B432,048.
- "TIKIT"; for perfumery, etc. (48). By The Synthet Soap and Chemical Co., Rulow, Buxton Old Road, Macclesfield. 421,558. (Associated.)
- "GONSIE"; for perfumery, etc. (48). By Elsie Roffey. 95 Brondesbury Villas, Kilburn, London, N.W.6. 422,170.

Trade Report

42, Cannon Street, E.C.4, May 3.

BUSINESS continues on restricted lines, and is no doubt checked by the uncertainty of the political outlook on the Continent, and until the question of reparations is disposed of this tendency is likely to persist. Crude drugs present few changes in value. Balsam tolu continues very firm and again higher in America. Cod-liver oil has an easy undertone with a "record" Lofoten yield. Honey is plentiful and cheaper. Ipecacuanha is steady, and native Jamaican sarsaparilla is now more plentiful at unchanged rates. Senega and cascara continue dull; lobelia herb and turmeric are dearer. Vanilla pod has had a sharp rise, particularly Bourbon. Menthol shows little alteration after last week's spurt. Shellac is lower. Pharmaceutical chemicals show little demand, with a tendency of spot holders to cut prices, in spite of the high rates being quoted from the Continent. Parbitone is rather dearer, and bromides are steady with a fair amount of business. Citric and tartaric acids are on the upward trend, a good business being reported, particularly in the former, and, judging by the prices paid for forward delivery, buyers have faith in higher prices during the next few months. Consumers should see that they are well covered. Guaiacol carbonate, potash permanganate, milk-sugar and hexamine are easier. Phenacetin, phenazone and phenolphthalein remain firm. Among industrial chemicals the few changes include a firmer tone for formaldehyde. Potash and sodium prussiate have moved in buyers' favour. Carbolic acid crystals are cheaper and naphthalene salts are dearer. Among fixed oils, business has been considerably quieter and prices of most items have declined.

Higher	Firmer	Easier	Lower
Parbitone	Citric acid	Creosote oil	Acid oils
Vanil'n (Cochin)	Formaldehyde	Guaiacol carb.	Carbolic acid
Hexamethylene	Geranium oil	Hexamine	Coconut oil
Lobelia herb	(A'g.)	Milk sugar	Cottonseed oil
Sodium	Lime oil (W.I.)	Potash	Creosote B.P.
benzoate	(distill'd)	permang.	Palm oil
turmeric	Mint oil (Jp.)	Rubber	Naphthas
Vanilla	(c.i.f.)	Sodium	Palm kernel oil
Wormseed oil	Naphthalene	prussiate	Potash prussiate
	Palmarosa oil		Shellac
	Wax, veget.		Soya bean oil
	(Jap.)		Turpentine

Cablegrams

NEW YORK, May 2.—Business is quiet. Balsam tolu is dearer at 97½ c. per lb. Antipyrine has advanced to \$3.25 per lb., and carbolic-acid crystals to 58 c. per lb. Menthol is lower at \$71.75 per lb.

BERGEN, May 2.—The total catch of cod for the whole of Norway since the opening of the season amounts to 7,300,000, against 33,700,000 for the corresponding week of last year, and the yield of steam-refined medicinal oil is 69,167 hectolitres, against 60,666 hectolitres for the same period of 1922. Price of finest new medicinal steam-refined oil of 1923 crop is quiet at about 95s. per barrel, c.i.f. London.

Exchange Rates on London

The following is a list of Continental and other exchange rates against the pound sterling on London prevailing at p.m. on Wednesday:—

	Par value	April 25	May 2
Amsterdam, chqs. fl.	12.107	11.87½—11.88½	11.83½—11.84½
Berlin .. marks	20.43	130.000—135.000	159.000—160.000
Russels, chqs. fr.	25.22½	79.05—79.15	80.85—80.90
Alcutta, rup.	2s.	16½d.—16¾d.	16¾d.—16¾d.
Constantinople pstrs	110	745—775*	575—625*
Reece .. dreh.	25.22½	386—390	375—385
Calcutta, sight .. lire	25.22½	93½—93¾	94½—94¾
London, sight escudo	53½d.	2½d.—2¾d.	2½d.—2¾d.
Madrid, sight pes.	25.22½	30.29—30.31	30.35—30.38
Montreal, cable \$	4.86½	4.72½—4.73	4.72½—4.72¾
New York, cable \$	4.86½	4.64½—4.64¾	4.63½—4.63¾
Paris, chqs. .. fr.	25.22½	68.45—68.50	70.00—70.10
Singapore .. t.t. dollar	25.22½	28½d.—28¾d.	28½d.—28¾d.
Switzerland .. fr.	25.22½	25.45—25.48	25.63—25.72
Vienna .. kr.	24.02	320.000—340.000	320.000—335.000
Yokohama, T.T. yen	24.58½	25½d.—25¾d.	25½—25¾

Crude Drugs, etc.

AGAR-AGAR.—No. 1 has been in good demand and is very firm at 5s. 3d. per lb. on the spot.

ANTIMONY.—The market for foreign regulus is not so firm as it was, demand being quieter, and warehouse lots can apparently be secured at £27 per ton, although there is not much offering. Ordinary English refined is hardly obtainable at present, and special brands range from £50 15s. to £38.

BALSAMS.—Copaiba on the spot is steady at 1s. 8d. per lb. Tolu is firm at 3s. 11d. to 4s. Peru is quoted at 7s. 3d.

CADMIUM is steady on the basis of 5s. to 5s. 6d. per lb., according to quantity. A regular supply of Australian is coming forward.

CALAMUS ROOT is in fair supply on the spot, with good peeled offered at 40s. per cwt.

CAMPOR (REFINED).—Last week it was possible to buy Japanese slabs at 3s. 5d. in quantity, but lowest prices are now 3s. 6d. to 3s. 7d. per lb. May-June shipment is quoted at 3s. 6d. c.i.f., ¼-oz. tablets are about 4s. 4d. spot.

CANTHARIDES.—Russian of good bright quality is obtainable at 6s. 9d. on the spot. Chinese can still be had at from 4s. 8d. to 4s. 9d. per lb. on the spot in limited quantity.

COD LIVER OIL.—Our Bergen correspondent writes on April 28 that the codfishery at Lofoten is now closed, the total output being as follows:—

	Catch of Cod	Yield of steam refined cod-liver oil	Livers for Crude oil
1923 ..	17,000,000	35,231 (H.ct.)	7,345 (H.ct.)
1922 ..	12,900,000	27,692 "	3,230 "
1921 ..	18,600,000	29,274 "	5,220 "

The quantity of oil produced this year is the greatest produced in Lofoten for twenty-six years. The total output of all the Norwegian codfisheries—compared with that of the previous years—is as follows:—

	Catch of Cod	Yield of steam refined cod-liver oil	Livers for Crude oil
April 21, 1923	34,700,000	66,408 (Hect.)	12,544 (Hect.)
April 22, 1922	31,000,000	57,348 "	9,534 "
April 23, 1921	32,199,000	50,233 "	7,884 "
April 24, 1920	30,223,000	45,263 "	4,553 "
April 26, 1919	17,208,000	22,751 "	2,118 "

The price of medicinal oil is nominal at about 92s. 6d. to 95s. per barrel, c.i.f. London.

CULVERS ROOT, which has been scarce of late, is now obtainable at 1s. 10d. per lb.

HONEY.—In view of the good-sized quantities which have arrived, prices are cheaper. Nice pale set Jamaica is offered at 65s., yellowish set 50s. to 55s., and dark 38s. to 40s. Cuban is in good supply, practically white set offering at 60s. to 65s. down to 40s. for ordinary set. Water-white Californian can be had at about 62s. 6d., and New Zealand at from 45s. up to 75s., as to quality.

IPECACUANHA sells at steady prices. Matto Grosso is quoted at from 6s. 9d. to 7s. per lb. as to quality. Minas is 6s. 6d., Cartagena 6s. 6d., and East Indian 6s. 6d. to 6s. 9d. per lb.

LOBELIA HERB.—Owing to firmer prices in U.S., spot holders are asking 1s. per lb.

MENTHOL.—The nominal price for Kobayashi-Suzuki is 35s. per lb., but nothing higher than 34s. has been paid on the spot, which is the price holders were asking at the close of last week. To sell recent imports at this quotation represents a considerable loss to importers.

MERCURY.—The market became distinctly harder in the latter part of last week, due to a rather better trade demand, and business was done then at around £10 per bottle for parcels on the spot. The tone in the earlier part of this week was firm, the spot supplies available being reported only moderate, while offers are not being pressed. A fair amount was shipped recently and a good deal has yet to come forward within the next few weeks from either Spain or Italy, but it is understood that part of this is already sold, while orders here are waiting for execution for China and India. The forward market is also stated to be firmer, there being not much offering, at a little discount on the terms ruling on the spot. Arrivals this week comprise 7,500 lb. from Spain. Market on Wednesday closed at £10 to £10 5s.

NUX VOMICA is quiet, with Calcutta description offering at 21s. 6d. per cwt. on the spot and to arrive at 19s. 6d. c.i.f.

OPIUM is steady, 12 per cent. Turkey druggists offering at 14s. to 14s. 6d. per lb. on the spot.

PLATINUM is steady at about £24 to £24 10s. per oz. A Continental report states that private dealings in Russia are prohibited, while the Ural Platinum Trust and the Ural Gold Laboratory alone are authorised to buy under the Soviet Government regulations.

RUBBER is again easier, and has declined a further ¼d. per lb. The liquidations have temporarily ceased, and the rubber which was sold in such large quantities a fortnight ago has now passed into stronger hands. On the other hand, there have been few orders from manufacturers for spot parcels. Cables have this week arrived from Singapore indicating that the F.M.S. Government, acting upon instructions from the Colonial Office, have taken steps to prevent further leakage in the granting of export licences. Severe penalties will, no doubt, be enforced upon future offenders, as the objects of the restriction scheme are being defeated by the large quantities exported from the East since the beginning of the year. The recent substantial deliveries from London were again maintained, and last week 2,752 tons left the warehouses. Arrivals totalled 959 tons, with a decrease of 1,793 tons in the stocks. The London stock now stands at 58,522 tons. Quotations (Wednesday, 5 p.m.): No. 1 standard crêpe and ribbed smoked sheet, spot and May, 1s. 3½d.; June, 1s. 3½d.; July-September, 1s. 3½d.; October-December, 1s. 4½d. Hard fine para easier at 1s. 2½d. Balata, inactive and weaker; W.I. Sheet, 3s. 7d.; Venezuela block, 3s. 2d. per lb.

SAFFRON.—Valentia on the spot is obtainable at 135s. to 145s. per lb., according to quality.

SARSAPARILLA.—The "Colon," from Jamaica, has brought 37 bales native. Good red is quoted at 2s., and mixed colours at 1s. 9d. to 1s. 10d. Genuine grey Jamaica is 4s. to 4s. 3d. per lb. Honduras and Lima-Jamaica are unobtainable on the spot, while it is difficult to get offers of the former from America.

SHELLAC.—The spot price of usual standard TN orange quality is about 5s. per cwt. lower, closing at 325s. per cwt.; good to fine second orange is 340s. to 360s.; super-fine 380s. to 420s.; AC cakey 315s., and GAL 275s. per cwt. on the spot. The delivery market is lower, August having been sold at 282s. 6d., down to 260s.

STARCH PRODUCTS.—American cornflour (maize starch powder) is quoted at 15s. 10½d. per cwt. ex store London, Liverpool, Manchester, for April-June delivery. Rice starch crystals is 40s. per cwt. for English, and 34s. for Continental. Dutch farina on the spot is 14s. 9d. per cwt., and 13s. 6d. f.o.b. for April-May shipment. Japanese No. 1 is 16s. per cwt. Superior Dutch dextrin is 22s. 6d., and No. 2 20s. to 21s. per cwt. on the spot.

STROPHANTHUS.—Fair green Kombé can be had on the spot at 1s. 6d. per lb., and to come forward at 1s. 4d., c.i.f.

TONKA BEANS have lately been in slightly better demand. Argostura offer at 6s. 9d., and Para at from 1s. 4d. to 1s. 9d., the latter price for good frosted.

TURMERIC is in short supply on the spot, and is fetching higher prices. For good sound Madras finger, 60s. per cwt. is now asked; wormy is quoted at 57s. 6d. Cochin finger is worth about 35s.

VANILLA.—The present spot stocks are comparatively limited, and prices have advanced considerably. First quality Bourbon are about 4s. 6d. per lb. dearer than a fortnight ago, the present price being 16s. 6d. per lb., with some dealers asking more. White label Tahiti beans are also scarce, and 10s. 6d., c.i.f., is quoted.

WAX (VEGETABLE).—Japanese is firmer at 72s. 6d. per cwt. on the spot, and for June-July shipment 74s. c.i.f. is quoted.

The exports from Japan during January of the past three years were as follows:

		1921	1922	1923
Piculs	.. ..	1,800	1,906	1,852
Yen ..	.. ..	72,175	76,101	81,898

Seeds, Spices, etc.

CARAWAY SEED.—The new Dutch crop is expected about August, when a substantial reduction in the price is anticipated.

CROVES.—Fair Zanzibar remain quiet on the spot at 1s. per lb. March-May shipment has been sold at 11½d. per lb., c.i.f., closing sellers at 11½d.; May-July shipment has been sold at 11½d. to 11¾d. per lb., c.i.f. According to the weekly wharf statistics, the landings were 3,140 bales and the deliveries 118 bales, leaving a stock of 10,430 bales, against 11,330 bales in 1922.

COCONUT (DESICCATED) is steady, fine offering on the spot at 47s. 3d. and medium at 49s. 6d. per cwt. To arrive, April-May shipment is 44s., c.i.f., and May-June 43s., c.i.f.

GINGER.—Cochin is firmer, with sales of washed on the spot at 75s. per cwt., and for wormy 67s. 6d. is quoted. Cut is scarce, the spot prices being from about 100s. to 105s. for C grade. Japanese has been sold at 65s. to 66s. per cwt. on the spot, with 67s. 6d. quoted.

PEPPER is quiet and unchanged at 4½d. per lb. for fair black Singapore on the spot. To arrive, April-June shipment is quoted at 4d., and May-July at 4½d. per lb., c.i.f. Lampung on spot is 4¾d., Tellicherry 4½d., and Aleppy 4½d. White Muntok is 6½d., spot April-June shipment 6½d., c.i.f., and May-July 6½d., c.i.f. White Singapore is 6½d. spot, and May-July 6d., c.i.f.

PIMENTO is dull, with spot sellers at 2½d. per lb.

Essential Oils

There are few changes of importance to record, and demand is quieter this week. West Indian lime oils are firmer. American wormseed has had a substantial rise. Geranium and palmarosa are tending dearer, and Japanese mint is higher to come forward.

ANISE (STAR).—"Red Ship" on the spot is quiet at 1s. 10d. to 1s. 11d. per lb. The c.i.f. price to arrive is 1s. 10d. c.i.f.

BERGAMOT.—In some directions spot-holders of 37 to 39 l.a. are quoting at about present replacement values, 11s. 3d. to 12s. 3d. per lb. c.i.f. to arrive, according to brand, although for some brands considerably more is asked.

CAMPHOR.—White essential oil is steady at from 82s. 6d. to 85s. per cwt., in cases, according to seller. Drums are quoted at 75s. to 80s.

CASSIA.—Further sales are reported at from 8s. to 8s. 1½d., and the spot price is steadier at 8s. 3d. per lb. for 80 to 85 c.a.

CEDARWOOD.—American is unchanged on the spot at from 1s. 4½d. to 1s. 6d. per lb., according to packing (drums or cases).

CINNAMON.—Ceylon leaf is quiet and unchanged at 4d. per oz. and 3½d. c.i.f. to arrive.

CITRONELLA.—Ceylon on the spot is steady at 3s. 2d. per lb. The price to arrive is 2s. 11d. c.i.f. Java is quoted at 4s. per lb. on the spot, and 3s. 11d. c.i.f. to arrive.

CLOVE.—English distilled is unchanged at 6s. 9d. to 7s. per lb., with not much demand.

EUCALYPTUS.—For 70 to 75 per cent. cineol, 1s. 6d. per lb. is quoted.

GERANIUM.—Bourbon near at hand is quoted at 29s. 6d. to 30s. per lb. landed. Algerian has been in better demand recently and is firmer, spot holders now asking from 28s. 6d. to 32s. per lb. The price quoted to arrive is 29s., c.i.f.

GINGERGRASS is not in much demand at from 7s. 6d. to 8s. per lb. as to holder for "insoluble."

LEMONGRASS.—Cochin is quiet and unchanged at 2½d. per oz. on the spot, and 2¾d. c.i.f. to arrive.

LEMON.—On the spot 2s. 10d. to 3s. per lb. is about the average range for good quality oil. Some cables make the c.i.f. price a shade easier at 2s. 8d. to 3s.

LIME.—West Indian distilled is firmer on the spot at 3s. 6d. per lb. Hand-pressed has also advanced, and 8s. to 8s. 6d. is now wanted.

MINT.—Japanese dementholised Kobayashi-Suzuki is steadier at 6s. per lb. spot. For shipment 6s. c.i.f. is quoted, which is dearer, with buyers at 5s. 10½d. c.i.f.

NUTMEG.—On the spot holders quote from 4s. 6d. to 4s. 9d. per lb. as to quantity.

-ORANGE.—Sicilian sweet is obtainable at 11s. per lb. on the spot, the c.i.f. prices being rather higher than this. West Indian sweet is not plentiful on the spot at 10s. 6d.

PALMAROSA has been in better demand, and 18s. per lb. is quoted, although 17s. may still buy in some directions.

PATCHOULI has been in demand and is steady for usual Penang quality at 28s. 6d. per lb.

PEPPERMINT.—American natural oil is unchanged at 12s. 6d. to 13s. per lb. and the latter price has been paid for a good brand on the spot.

SANDALWOOD.—B.P. East Indian is unchanged at 25s. per lb. on the spot, which can be shaded for quantity. West Australian (containing not less than 90 per cent. alcohols (estimated as santalol) is offered at 20s. Lower percentages are proportionately cheaper.

SPEARMINT.—American is unchanged on the spot at from 12s. to 12s. 6d. per lb., according to quantity.

SPIKE.—Spanish is steady at from 2s. 9d. to 2s. 10d. per lb., according to quantity.

THYME.—Spanish red, 30 per cent. phenols, is obtainable at 4s. 8d. per lb. on the spot.

WORMSEED.—Spot stocks are very short, and over 30s. per lb. is reported paid for American. The c.i.f. price to arrive is 28s. 6d.

Pharmaceutical Chemicals, etc.

THE slowness and smallness of business continues to be the feature of this market, and once more a week of almost idle markets has to be recorded. Prices are being supported by the high quotations now being asked on the Continent and the stoppage of supplies from Germany. But some holders of spot supplies now seem to be willing to meet buyers by cutting their prices. Citric and tartaric acid tend upwards, and are in good demand. Potash permanganate and guaiacol carbonate are easier. Phenacetin and phenazone remain firm. Sodium benzoate is slightly dearer. Hexamine and milk-sugar are easier.

ACETANILIDE is now offering from spot supply from 1s. 6d. to 1s. 8d. per lb., according to quantity; there has been little doing.

AMIDOPYRIN remains dull with spot quotations level on the week at 13s. 6d. per lb.

ASPIRIN continues to meet with some business, and the price paid for good brands is generally in the region of 3s. 3d. per lb.

BARBITONE has now advanced on quotation on spot to 19s. to 20s. per lb.; this is in consequence of a similar movement on the Continent.

BENZOIC ACID is well maintained at last week's advanced rate of 2s. 3d. to 2s. 6d. per lb. Imports have ceased for some time past.

BENZONAPHTHOL, 5s., BETANAPHTHOL, resublimed, 2s., and BENZALDEHYDE, at 3s. per lb., are unchanged on quiet markets.

BROMIDES.—There has been a fair amount of business, and prices now seem to be fairly steady. Continental offerings are mostly at higher rates. Ammonium, 8½d. to 9d. per lb.; potassium, crystals and granular, 8d. to 9d. per lb.; sodium, crystals and granular, 8½d. to 9½d. per lb.

BUTYL CHLORAL HYDRATE is steady on spot at about 9s. to 9s. 3d. per lb.

CALCIUM LACTATE is quoted at 2s. per lb. for small lots, with some big parcels available at cheaper prices.

CHLORAL HYDRATE is now quite firm with most offers moving up to 4s. 3d. per lb. for duty-paid. Some offers may still be at 4s. per lb.

CHLOROPHYLL.—Water and spirit soluble is quoted on spot at 10s. 6d. per lb.

CITRIC ACID has been in good demand, and is much firmer, business having been done in B.P. crystals up to 9d. per lb., and in some instances dealers are asking more. To arrive, sales of foreign in quantity for May-June shipment have been made at 1s. 9d. c.i.f., which indicates that buyers have faith in higher prices during the next few months.

CREOSOTE.—B.P. shows a further decline in price with the spot rate down to 2s. 2d. per lb. with the market dull.

CREOSOTE CARBONATE remains unchanged as quoted at 10s. per lb., but there is no movement.

GUAIACOL CARBONATE is offered at the nominal price of 8s. 3d. per lb., with sales much cheaper.

GALLIC ACID is offering on spot with not much doing at 3s. per lb.

HEXAMINE is slightly easier on spot at from 4s. to 4s. 3d. per lb.

HYDROQUINONE has been in fair request with the price steady in the region of about 3s. 6d. per lb.

METHYL SALICYLATE in large lots might be obtained on spot at slightly less than the usual quoted price of 2s. 6d. per lb.

METHYL SULPHONAL remains dull with the spot price mentioned in the region of 14s. 6d. to 15s. per lb.

MILK SUGAR is slightly easier at from 95s. to 90s. per cwt., according to quantity and buyer.

PARAFORMALDEHYDE continues to be offered at about 4s. per lb., but not much interest is being shown on spot.

PARALDEHYDE in good quantity is available on spot from about 1s. 6d. to 1s. 7d. per lb. for smaller lots.

PHENACETIN holds very steady with most spot parcels quoted about 6s. 4d. to 6s. 6d. per lb. A fair inquiry is reported.

PHENAZONE.—The cheapest offer seen this week has been firm at 7s. 6d. per lb. Continental prices are on the up grade, and makers there ask 7s. 8d. to 7s. 9d.

PHENOLPHTHALEIN continues to move to higher prices, and the usual spot quotations are now between 5s. 3d. and 5s. 6d. per lb., with sales at both figures.

POTASSIUM PERMANGANATE, B.P.—One or two large parcels might be obtained at perhaps a shade over 10d. per lb.

RESORCIN.—Recrystallised is very steady as offered at 5s. 6d. per lb., with one Continental maker asking 5s. 8d.

SACCHARIN is selling in small lots at about 14s. per lb. in bond for 550 powder, and Continental make for export in bond can be had at from 5s. to 6s. per lb. The manufacture in this country has undergone considerable modification of late.

SAFROL is quoted in fair quantities at 2s. 6d. per lb.

SALICYLIC ACID is somewhat firmer again with most spot offers at 2s. 3d. per lb.

SALOL is fully maintained at the recent higher levels of 2s. 9d. to 3s. per lb.

SILVER NITRATE.—The price of crystals on May 2 was based on a metal price of 32½d. per oz. as follows:—In quantities of 25 oz., 2s. 1½d. per oz.; 50 oz., 2s. 0½d.; 100 oz., 2s. 0¼d.; 250 oz., 1s. 11½d.; 500 oz., 1s. 11⅓d.

SODIUM BENZOATE has again moved to higher prices, and on spot nothing is being quoted under 2s. 6d. to 2s. 9d. per lb., with very limited supplies available.

SODIUM DIETHYLBARBITURATE is nominal on an idle market at 18s. 6d. per lb.

SODIUM SALICYLATE.—Spot parcels of one cwt. or more of crystals and powder are quoted on a firm market from 2s. 6d. up to 2s. 8d. per lb. from dealers, and for a leading Continental make of finest crystals 2s. 10d. per lb. has been freely paid, and 2s. 8d. for powder. At these rates the market seems very firm.

SODIUM SULPHOCARB.—B.P. is quoted at about 1s. 8d. per lb.

SULPHONAL is steady at about 14s. 6d. per lb, but there is little business.

TANNIC ACID.—Leviss in good quantity might be obtained at about 3s. 3d. per lb.; for smaller lots 3s. 6d. is asked on spot.

TARTARIC ACID (B.P. CRYSTALS).—The position on spot continues quite good with the price asked firm at 1s. 3½d. to 1s. 4d. per lb. Shipment offers are at about the same levels. Business has been fair.

VANILLIN is selling at 24s. per lb.

ZINC SULPHOCARB.—B.P. is quoted on spot at 1s. 9d. per lb.

Industrial Chemicals, etc.

THERE has been little in the way of good business to report during the past week. The general tone of the market has remained sluggish. Prices show but little change, and most items seem quite steady. Continental quotations continue very dear, and the few coming to hand from Germany are generally above the spot level.

ACETIC ACID.—The spot position is about the same with business on the small side. Nothing is coming to hand from Germany. Some Canadian in barrels is on the market. 80 per cent. technical, £47; 80 per cent. pure, £48; 98 per cent. glacial, in barrels, £60; in demijohns, £70 to £75 per ton, ex wharf, London.

ACETONE has met with a very slow demand of late, and spot parcels of British Government specification might be obtained at about £122 per ton, ex wharf.

ALUM.—Lump in bags is offered by dealers at about £10 10s. to £11 per ton on a slow market.

AMMONIUM (ANHYDROUS) is very steady, and the market has been fairly busy with inquiries, quotations remaining at about 1s. 5½d. to 1s. 6d. per lb. for 99.95 per cent.

ARSENIC.—The tendency is certainly very irregular, and in fact erratic as regards foreign parcels, although white Cornish powder has undergone but little alteration, being now called about £71 10s. to £72 per ton delivered London. The business doing in this is extremely restricted. There should be a notable adjustment eventually to a lower level for Cornish. In the absence of business in Grecian the latter is quite nominal.

BLEACHING POWDER continues to meet with only a poor demand as offered by importers in the region of £11 per ton for 35 to 37 per cent. chlorine.

COPPER SULPHATE.—In spite of the further sharp fall in the price of rough bar copper, the tone of the market for sulphate has been fairly steady, while the position of makers appears to be tolerably satisfactory as regards exports. The terms ruling are rather wide, ranging from £26 10s. to £27 10s. f.o.b. for casks, although certain makers are not sellers at anything below £27. There is a fair home demand.

CREAM OF TARTAR has been the subject of good business this week, and for spot B.P., 99 to 100 per cent., 92s. 6d. to 95s. per cwt. is required.

EPSOM SALTS do not find much business, with commercial quality freely offering in the region of £5 5s. per ton, in bags. Druggists quality is about £9 10s. in kegs.

FORMALDEHYDE is somewhat firmer, and spot supplies are now very short; 40 per cent. volume is firm at £90 per ton, ex wharf, London.

LEAD ACETATE, owing to scarcity, holds very firm at the recent advances; brown, about £41 per ton, and white crystals at about the same figure.

LITHARGE.—Importers are offering and doing fair business at about £36 per ton c.i.f.

LITHOPONE is a very healthy market. Supplies are limited on spot, and offers from the Continent are very high. 30 per cent. Continental, red seal, £22 10s. to £23 per ton.

OXALIC ACID remains in very small demand, and the price as quoted at 6½d. per lb. is easy.

POTASH (CAUSTIC).—The spot position remains very firm, and nothing is now offering below £35 per ton for 88 to 92 per cent., in drums. Some slight advance is looked for, as supplies are very limited.

POTASSIUM CARBONATE is a good market, although business is by no means brisk. Continental supplies are either cut off or are very dear; 90 to 92 per cent., £30; 96 to 98 per cent., £34 to £34 10s. per ton.

POTASSIUM CHLORATE is steady on a quiet market at about 3d. per lb.

POTASSIUM PERMANGANATE has been well inquired for, but the difficulty has been to locate supplies. The spot price of commercial is 10d. per lb. and upwards.

POTASSIUM PRUSSATE has dropped during the week with business at a low mark. Spot offers are now at about 1s. 4½d. per lb.

SALTCAKE continues in good inquiry for export with supplies short and prices firm. Home trade, £5 to £5 5s. per ton, and export, about £5 10s. per ton f.o.b.

SODIUM ACETATE is offering by dealers for forward delivery at between £25 to £25 10s. per ton.

SODIUM BICARBONATE is at unchanged rates from the British makers at £10 10s. per ton, in bags, carriage paid, for home trade only.

SODIUM BICHROMATE keeps very steady as quoted by British makers at 4½d. per lb. for home trade and slightly more for export.

SODIUM CARBONATE (washing crystals) are selling fairly well from dealers at about £5 5s. per ton, in bags, ex store; British makers quoting for home trade only at £5 5s. per ton, in bags, carriage paid to destination.

SODIUM CHLORATE is dull with dealers offering in the region of 2½d. up to 2¾d. per lb.

SODIUM HYPOSULPHITE is finding fairly good business with pea crystals in one-cwt. kegs at about £16 per ton, and commercial quality in casks at about £10 10s. per ton.

SODIUM PRUSSATE is showing up at easier figures with the market still dull and inclined to be weak. To-day's price is about 8d. per lb.

SODIUM SULPHIDE is steady but in no great demand. Continental offerings are dear. 60 to 62 per cent., about £15 10s.; broken, about £16 per ton, in drums; 60 to 65 per cent. concentrated, about £15 per ton, in casks.

WHITE LEAD from British makers is quoted at £47 per ton, less 2½ per cent., with importers offering Continental at about £43 per ton. Some inquiry is reported.

ZINC PRODUCTS.—There has been a continued good demand for zinc-oxide, the terms quoted by large makers ranging from about £43 to £50 per ton free on trucks according to grade, special brands being held for rather fancy figures. A certain amount of Silesian oxide is being marketed on this side on relatively cheap terms. Zinc dust is quiet at £50 to £52 10s. per ton, according to quality. Zinc ashes are quoted £14.

COAL-TAR PRODUCTS, ETC.—A number of important changes are recorded in this market this week. Pitch is nominal. Carbolic-acid crystals, creosote oil, naphtha and solvent naphthas are cheaper. Naphthalene is a firmer market. **ANILINE OIL AND SALT** continues to be quoted at 10d. to 11d. per lb., packages free, but there is not much business doing. **BETANAPHTHOL** remains dull with the quoted rate easy in the region of 1s. 2d. per lb. **PITCH.**—This market can only be quoted at the nominal value of 180s. per ton, in London. The trend is generally realised now that the end of the buying season has arrived after a period of soaring prices. Pure

METHYL ALCOHOL keeps very steady as offered at about £108 per ton, ex wharf, London. **CARBOLIC-ACID** crystals in bulk are now quoted at the much cheaper rate of about 1s. 5½d. per lb., and at this price this market once more seems to be quite firm. **CRESYLIC ACID** has not been of much interest this week; the quoted price remains at 2s. 3d. per gallon. **CREOSOTE OIL** is a shade easier with bulk shipments offered at 10½d. per gallon f.o.b. naked. **PYRIDINE** is steady but in no great demand at 12s. per gallon on spot. **HEXAMETHYLENE** is a firm market, and prices show a further increase up to 4s. to 4s. 3d. per gallon. **DISINFECTANTS** are level on the week with little doing at 3s. 9d. per gallon, barrels free. **NAPHTHALENE** has been advancing on the Continent and spot rates are now firm and tend to advance at £20 to £21 per ton; crude is up to £7 to £13; crystals, £18; powder, £17 10s.; balls, £24; candles, £28; tablets, £28 per ton, packages free.

Fixed Oils, etc.

BUSINESS generally has been much quieter during the past week, the slowness of things being very noticeable after the recent period of activity and firm markets. Prices in most items show considerable declines, with the market still rather unsteady. **ACID OILS.**—Prices have dropped for all kinds, and the market has been much quieter; coconut, 41s.; palm kernel, 41s.; groundnut, 39s. **CASTOR OIL** is maintained at the recently advanced rates; pharmaceutical, 61s.; first pressings, 56s.; second pressings, 55s., per cwt. in barrels ex mills Hull, in not less than one ton lots. **COCONUT OIL.**—The prices of all kinds have dropped considerably, and business has been much slower; deodorised, about 51s. 6d.; Ceylon, 57s.; Cochin, 49s. **COTTONSEED OIL.**—After the recent advances and active market a much easier tone now governs the market, with prices all showing a considerable drop and business dull; deodorised, 50s.; common edible, 45s.; soapmaking, 44s.; crude, 40s. c.i.f.

GROUNDNUT OIL.—Prices are maintained with the tone fairly steady; deodorised, about 52s.; crude Oriental, 44s. 6d. c.i.f. **PALM KERNEL OIL.**—Prices show a decline on the week, with very little doing; deodorised, 50s.; crude, 45s. 6d. **PALM OIL.**—Early in the week prices had dropped very considerably, but the market has since picked up a little and now seems fairly steady again. All the same prices are at a discount on the week; Lagos, 37s. 6d. softs, 37s.; hard, 38s. 6d. **RAPE OIL.**—A fairly steady tone is recorded, with no change in prices; refined, 49s. crude, 45s. **SOYA BEAN OIL.**—Prices are down after the recent short spell of advancing markets—business is slow; deodorised, 48s.; crude Oriental, 44s. c.i.f. **LINSEED OIL (raw, naked).**—The market has not been really active during the past week, and prices have moved about with little margin, but close rather lower with the tone unsettled. On spot, 49s.; May, 45s.; June, 43s. 3d.; May to August, 42s. 10½d.; September to December, 38s. 10½d. It will be seen that the late forward positions are much easier. Hull, on spot, 45s. 9d.; May to August, 43s.; September to December, 39s. **TURPENTINE (American).**—The slow tone commented upon last week continues, and prices show a slight depreciation on the week, with late forward positions weakening. London stocks now total about 8,350 barrels of American spirit. On spot, 117s. 6d.; May, 107s.; July to December, 83s. **WOOD OIL.**—Hankow in barrels on spot is quoted at £135 and May to June shipment, £125 per ton c.i.f.

LUBRICATING, MINERAL, BURNING OILS, ETC.—A poor week of business is recorded in most items, and prices are not at all steady. Naphtha and solvent naphthas are at cheaper rates. **BENZOL** continues to be quoted at 1s. 7d. per gallon, f.o.r. makers' works, in buyers' packages with little business. **BURNING OILS.**—Crude No. 3, 8½d.; No. 2, 8d. per gallon, barrels free; there is no change to record here, and the market remains dull. **FUEL OIL.**—Quotations are level on the week with little doing; 895 to 910 gravity, £4 2s. 6d., and 950 gravity, £3 10s. per ton, ex tank. **SOLVENT NAPHTHAS** are once more cheaper with the market persistently quiet; heavy, 90 to 190, 1s. 4d., and 90 to 160, 1s. 5d. per gallon, drums extra. **NAPHTHA**, which has been a dull feature for some time, is quoted at easier rates; the market seems to be still weak as quoted at 1s. 6½d. per gallon, naked, at makers' works. **PARAFFIN WAX AND SCALE.**—Wax has been quieter, but prices are about the same at 2½d. to 3d. per lb., in bags, according to melting point. Scale is still very firm in the American shipping market, with c.i.f. quotations at 1½d. per lb. **PETROLEUM OILS.**—American water white, 1s.; American standard white, 1½d. in barrels free. Russian prime white kerosene is steady, and fair business continues at 6½d. to 7d. naked, ex tank; 7½d. buyers' barrels, filled free; and 10d. barrels free, ex wharf, London. **PETROLEUM JELLIES.**—Snow white, £64; white B.P., £60; yellow, from £21 to £33; red vet, £20; ruby red, £21; dark stiff green, £13 5s., barrels free, ex wharf, London. The market seems steady, but remains quiet. **SPECIAL OIL**, for Diesels and motors, 10d. per gallon, barrels free; quoted prices are unaltered. **WHITE OILS.**—Special No. 1, £43; No. 1, £37 10s.; No. 1A, £35 10s.; No. 2 half white, £28 per ton, barrels free, ex wharf, London. **LUBRICATING OILS.**—The position is as last reported. Fair business continues on spot with prices quite firm. The shipment market is also strong. Pales, £10 15s. to £25; reds, £13 10s. to £25 10s.; dark cylinders, £15 to £29; filtered cylinders, £19 10s. to £32; blacks, £7 10s. to £15, ex wharf, London, less 2½ per cent. Soluble oil, £19 per ton nett. No. 1 **RUSSIAN OIL** is selling in good quantity as offered at £18 10s. per ton, ex wharf, London, less 2½ per cent.

German Economic Situation

THE outstanding feature of the past fortnight has been the sudden fall in the value of the mark, whereby, according to all accounts, the heartfelt desires of those industrialists interested in exporting their manufactures have been realised. Attention has already been drawn (*C. & D.*, April 14, p. 530) to the complaints voiced by German manufacturers that the stabilisation of the mark at about 100,000=£1 made it impossible for them to compete in foreign markets, and the only effective remedy would be to depreciate the mark, i.e., reverse the operation all too successfully undertaken by the Imperial Bank. It is interesting to note that some of the leading German newspapers openly accuse industrial circles of having deliberately engineered the collapse of the mark, by creating a demand for large amounts of foreign currencies after the closing of the exchange on April 17; one concern, it is stated, endeavouring to buy up no less than £100,000. This *coup* is stigmatised as a "stab in the back," taking place as

it did at so critical a moment in the political situation. It is now known that from the beginning of April a steadily increasing demand for foreign currencies set in, the amounts required from the Imperial Bank amounting on some days to as much as £1,000,000 in sterling. The latter was consequently no longer in a position to continue the stabilisation of the mark, which had been maintained for a period of ten weeks, and was compelled to suspend its action. Officially it is declared that the unprecedented demand for foreign currencies at that time was quite in order, the amounts being required by manufacturers to purchase raw materials abroad. Another factor which influenced the Imperial Bank in deciding to cease sacrificing all its available funds in a vain attempt to stabilise the mark is a direct result of the occupation of the Ruhr. Many of the most important industrial undertakings are situated in the occupied territory, undertakings the manufactures of which constitute a very high portion of Germany's exports. The stoppage of these exports necessarily entailed a very considerable diminution in the supply of foreign bills flowing into the Imperial Bank, and this decrease was not compensated by any increase in exports from unoccupied Germany. In connection with the Government's proposal to introduce more effective methods of enforcing the surrender of foreign currencies, at a conference of German bankers the total amount in the hands of the public was estimated to represent the equivalent of at least £150,000,000 in gold. Further, attention is drawn to the enormous increase in holdings of foreign currencies standing to the credit of depositors in German banks. One Berlin bank alone, and one of the lesser ones at that, in its balance sheet of December 31, 1922, assessed the accounts in foreign currencies of its customers at 23,500,000 gold marks, corresponding to over 50,000,000,000 paper marks, whereas the total deposits in paper marks amounted to only 27,500,000,000 (paper) marks. These figures are significant of the growing tendency to avoid holding paper marks, and incidentally they reveal, to some extent, the actual real wealth, as represented by the possession of stable foreign currencies, by the German people. In the drug and chemical markets the depreciation of the mark has given rise to considerable nervousness among exporters, and dealers have mainly acted on their own judgment. The demand from abroad has been small, and owing to the entire lack of confidence in future developments no uniform views exist on the situation. In South Germany prices are slightly firmer, but business is practically at a standstill. The following are the average export prices on which some transactions were based, for one kilogram, unless otherwise stated:—Acetylsalicylic acid, \$1.35; benzoic acid, 4s. 9d.; cream of tartar, £46 for 100 kilos; guaiacol carbonate, 18s. 6d.; lactic acid, \$0.51½ per lb.; milk sugar, 82s. for 50 kilos; oxalic acid, £42 per ton; silver proteinate, \$7.50. In conclusion, it may be mentioned that in order to prosecute the policy of resistance in the Ruhr, the Association of German Engineering Works has arranged that orders from abroad or from unoccupied Germans, placed with firms in the occupied territory, and which cannot be executed (since German firms are forbidden to comply with the regulations issued by the Franco-Belgian occupation authorities), will be taken over by works in unoccupied Germany. If the information in possession of the Hungarian Association of Wholesale Druggists is correct, German chemical works actually situated in the old occupied territory, and also along its Eastern border, showed considerable foresight in making timely arrangements to continue the supply of their products, since they are credited with having arranged depots of large stocks of chemicals and pharmaceutical preparations in several places in unoccupied Germany, and also in foreign countries, *inter alia* in Budapest. On going to press we are informed that the German Government has decided to permit firms established in Germany to deliver or accept goods contracted for before February 20, allowing either party to apply to the occupation authorities for the requisite import or export licence. This is an important concession to traders doing business with the occupied territories; a German law issued since the occupation of the Ruhr prohibited firms and individuals from having any "treasonable" dealings with the licensing offices established by the Franco-Belgian authorities, and provided that goods imported or exported on such licences should be liable to confiscation when coming within the jurisdiction of German authorities.

THE Index to THE CHEMIST AND DRUGGIST is published half-yearly. It is not sent out with the weekly issue, but is sent to subscribers on application. A list is kept of those who desire to receive the index as published, and we shall be glad to add the names of any other subscriber.



Council Election

SIR,—May we, in support of the candidature of Mr. E. H. Simmons, Salford, ask the electors throughout the country to give a vote for his return as successor of Mr. Rymer Young, now resigned? As a branch of the Pharmaceutical Society, the members have been favoured with the views of Mr. Simmons in regard to the vital topics of the day in regard to pharmacy. These, we may say, are of the sound and progressive type, no revolutionary ideas, but a will to try and make pharmacy better for all those engaged therein. Especially do we commend Mr. Simmons to our South country *confères*; in him we are sure that their interests will be watched over with the same care and thoroughness as he has given to us to understand will be his object if returned to the Council as a representative of Lancashire.—Yours truly, WILLIAM RUSHTON BLAIN, Chairman.

JAMES T. W. W. HAY, Secretary.

Bolton Branch of the Pharmaceutical Society.

SIR,—Having had the pleasure of knowing Mr. E. H. Simmons since he was a boy, I can thoroughly endorse all that has been said about him in previous letters. His knowledge of the craft of pharmacy has been gained by sheer hard work and experience in all its branches, and these, combined with great natural ability, tenacity of purpose, and a firm belief in the future of pharmacy, stamp him as being a worthy successor to Mr. J. Rymer Young. He has the good wishes of all who know him, and if the great body of thinking pharmacists decide to put him in his right place (on the Council), I can promise them he will not be a "silent member."

Yours faithfully,

Chiswick, W.

H. L. IRONMONGER.

Testing Dispensing

SIR,—Remorse overwhelms me for having once again touched a raw spot on Mr. Mallinson. My early training taught me that the spirit which learns nothing and forgets nothing, and, above all, resents everything but flattery, should impel me to speak out and take the consequences. When, a few months ago, Mr. Mallinson, endorsed by his executive, threatened me with a libel action for something I had not done, I vowed eternal silence, but, what could I do in face of the insistent demand that I should take some action? However, my delicate irony appears to have lost its fragrance in a London square; my opinions (if disinterested) and knowledge (if of any value) may or may not be worth as much as Mr. Mallinson's; but truth remains, and, fortunately, those who know what has taken place know I speak truly on these matters. Mr. Jenkin knew exactly what he wrote about, none better. My help has been sought officially, despite what Mr. Mallinson says. My work is voluntary, and the results of my experience have been given quite freely; also, they have been fully appreciated by those concerned. If it comes to a matter of letters, I have received several which would astonish Mr. Mallinson—but that cuts no ice. Unfortunately, I was not aware of the Islington affair until the die was cast. When I heard of it I did not rush into a publicity campaign, but took counsel with my colleagues and went direct to the source of the trouble. I reported our action to the Pharmaceutical Council, from which I received all possible help and encouragement, the President being particularly helpful to me. The insinuations in the public Press impugned the craft and became a question transcending the Chemists' Defence Association. It should not be forgotten that while that body may have 5,700 shareholders, there are 13,000 of us outside, who have material interests and reputations at stake. The points raised in your articles on "Testing Dispensing" amply prove there are many depths still unplumbed which cannot be explored save by discussion, but are you not afraid your disinterestedness may be misconstrued and you will be held up as queering the pitch with intelligence? The London Pharmaceutical Committee is also tackling the question like Salford, and some good is bound to arise

from their activities. It has become a question of efficient pharmaceutical service, and as chairman of the two largest committees in the country I fancy I know something about my subject. One thing is sure: we are not going to be "wadded by stupidity." Publicity in the technical Press will help to cure the weakness shown, and in this there will not be, nor ever has been, a breach of confidence—it is principles which matter. We are not of those who raise our heads to the sun and deign to patronise the light. I am sorry to appear to irritate Mr. Mallinson into making foolish statements, but my duty to those who have confidence in me requires that I shall continue to help them when I can, to the best of my ability, and remain quite indifferent to the opinion of Mr. Mallinson.

Royal Northern Hospital, N.

HERBERT SKINNER.

Irish Ph.C.'s and R.D.'s

SIR,—At the meeting of Council of the Pharmaceutical Society of Ireland held on April 10, Mr. Storey had a lot to say about abolishing the registered druggists and the Utopia that was to follow. Can Mr. Storey explain how druggists have so largely increased in Ulster since 1875, while in other parts of Ireland they have nearly died out, the licence being the qualification sought after there? Does he for one moment think that, if this suggested scheme were adopted, there would not in a few years be another supply of druggists? One grade was established in 1875; we know the result, and the future would only be a repetition. There were many druggists' apprentices who, between 1875 and the present, passed the Preliminary examination, conformed to the regulations of the Society, and are now licentiates, but, unfortunately, many of the druggists who are now hoping to get qualified on payment of a fee, with or without a modified examination, served their apprenticeship with pharmaceutical chemists and were too indifferent to qualify. Why should a modified examination be advocated for such men? There is only one possible means of genuinely abolishing the registered druggist, and that is by giving a present of the licence to all druggists on the Register and for four years afterwards admitting without restriction to the Licence examination all who apply. Are the pharmaceutical chemists prepared so to sell what they have had to work for? In the interest of all concerned I think Mr. Nugent's suggestion is a good one—that we drop the matter altogether.

Yours, etc., LEST WE FORGET (25/4).

SIR,—In your last week's issue (p. 609), Mr. J. G. Greaney writes offering suggestions *re* abolition of the Druggist's examination. He suggests that druggists under twenty years registered become qualified chemists. If there be failure in any subject by such candidate, all subjects passed to be put to his credit. This is to apply to druggists only. According to the suggestions offered, it would be an easy way for recently qualified registered druggists to get the pharmaceutical final examination, when they can take it out in pieces, while competent and qualified assistants who could easily take out the druggist's examination are to be deprived of these privileges.

I am, etc.,

DANIEL O'CONNELL, M.P.S.I.

Dublin.

Marking Prescriptions

SIR,—I must thank Mr. Arthur Mills for his letter and the suggestions in it (*C. & D.*, April 28, p. 609), but I am surrounded by conditions—and men—of a type with which I hope he has never had to contend. The first approach to minimum prices came, not from myself, but from a competitor, and yet within a month the very man who started the move was displaying one of the agreed articles at a lower price. I think that in such a case the supper and pipe after would be a waste of good provisions and tobacco. My experience of the prices charged by big companies is that they are too low to be of any real value, and often appear to be haphazard. I cannot, however, quite agree with Mr. Mills on the subject of the P.A.T.A. Granted it has done a lot of useful work in the pharmaceutical world, the cutting of protected lines by other traders and market stall-holders still goes on, and while the pharmacist buys in dozens, these dealers, if what I hear is correct, place orders for grosses at a time.

Yours faithfully, ALADDIN (21/4).

SIR,—The statement by "Aladdin" (*C. & D.*, April 22, p. 569), that coding was a direct invitation to cutting is a poor reflection on the grit of English pharmacists. Here, in Southern Ireland, we have the Dublin Retail Drug Association, of which most Southern chemists are members, working harmoniously; and seldom does a member let a prescription go out unmarked, with the result that there is little or no discrepancy in prices, which are liberal and make dispensing worth while. But there is this trouble (and I had a personal instance recently of a 4s. mixture being charged at 2s. 6d. in England): when a prescription or a copy given in Ireland goes over the water, the difference in prices may be such as to accentuate that lurking suspicion which the public and their Press entertain about things pharmaceutical. Would it not be possible, so far as Great Britain, the Irish Free State, and the Northern Parliament are concerned, that the various chemists' associations might exchange confidences as to their various code marks. A complete list could easily be compiled by the *C. & D.* and issued to the different secretaries of these organisations. The idea may be Utopian—I would like to hear other suggestions from chemists over the water.

Yours sincerely,

Bantry.

WILLIAM DUNPHY, M.P.S.I.

A Labelling Innovation

SIR,—Whatever has come over the Pharmaceutical Society? I read in your issue of March 31 (p. 453) with regard to the Dangerous Drugs Bill (new clause 2) that Mr. Bridgeman said the new clause was to meet the suggestions made by the Pharmaceutical Society, and he understood that the doctors and chemists were greed upon the points. Who were the doctors? Who were the chemists? No man engaged in practical dispensing would dream of such mad suggestions. Take a cript for example:—

Pot. brom.	...	...	...	3ij.
Tr. nucis vom.	...	...	...	3iiss.
Tr. opii	...	...	...	3ij.
Spt. chlorof.	...	...	...	3ij.
Aquæ	...	...	ad	3vj.

In future this has to have a poison label and the name of each poison either printed or written on the label. Contractions will not be legal, and, in addition, the several proportions are to be specified as each bears on the other ingredients—e.g., $1\frac{1}{2}$ parts of tincture of nuxomica is in proportion to 2 parts of tincture of opium and 2 parts of spirit of chloroform, and these in proportion to 2 parts of potassium bromide, and all and each in the several proportions to 6 oz. of water less the measure of the several poisons and one non-poisonous medicine set forth in the prescription. All this has to be entered on the label. What possible good purpose can be served by the new clause? Do the doctors require this labelling? They hardly see one bottle in a thousand after they are made up. Do the chemists want the labelling? If so, why so? . . . I wish the late B. Brady was alive; there would have been some fun at the Society's meetings.—Yours truly,

QUALIFIED IN 1878 (3/4).

Dispensing Prices in South Africa

SIR,—Your issue of February 10, just to hand, contains Mr. A. Barlow's reminiscences of the late Mr. James Daynes, in which he says the then price for an iij. mixture was 1s. 3d., and for a 3xvj. 2s. 6d. Those appear to be the ruling prices paid by Benefit Societies here in Johannesburg and other large centres to-day, at a place and at a time when money is at least only half as valuable as under the conditions with which Mr. Barlow's letter deals. As by far the large majority of our working and middle classes belong to these affairs, which are only a precursor of a National Health Insurance system for South Africa, it is not stretching the facts too much to say that these are becoming regarded as the ruling prices for dispensing here. I should be glad if you would give this publicity, for the benefit of those who still persist in thinking South Africa an Eldorado for the chemist.—Yours faithfully,

A. W. V. (3/4).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Appreciations

Enclosed please find cheque for 20s. for the *C. & D.* (I nearly wrote £20—anyway, it's worth it!).—W. D. L. (4/4).

We look forward to the *C. & D.* out here just as much as we used to do at home.—A Rhodesian Subscriber (6/2).

Please send THE CHEMIST AND DRUGGIST in order from the last one I received. I have made money by it.—T. L. S. (31/8).

Cost of the Dispensing Department

Will "Five Days for Nothing" (*C. & D.*, March 31, p. 461) say how he allocates £140 a year for working expenses for his dispensing department (without including wages)?—H. D. (3/4).

Varying Capacity of Bottles

I imagine this is a record. I have had brought to me for a 3vj. mixture a bottle divided by twelve marks and stamped in the glass "tablespoons": it holds exactly $4\frac{1}{2}$ fl. oz. I am retaining it as a curiosity.—W. A. (28/3).

Orange Wine

Commenting on the recipe given in the *C. & D.*, March 24, p. 422, for orange wine, J. S. (28/3) suggests as improvements 4lb. of sugar to 1 gallon, half the number of Seville oranges, the yeast to be floated on toast, and the fermentation to go on for seven days.

Insurance Prescribing

I enclose you a sample of N.H.I. prescribing. I think it displays laziness and incapacity at its nadir. [The prescription reads:—Syr. Eastonii, syr. Parish, syr. Fellows, syr. aurant, aa. 3ij. Sig.: 3j. t.i.d. ex aq. p.c.—EDITOR.] I had one a few weeks ago for pot. bic. 5ij., syr. ferri. phos. ad. 5vj. It was a pretty sight when it was finished.—Rusticus (23/4).

Unemployment in the Drug-trade

To cope with the serious position that has arisen, would it not be advisable to limit the number of apprentices (another name for cheap labour) coming forward, as is done in many trade unions? Also, to inform parents of the black outlook in the drug-trade at the present time, so that lads coming forward would have their eyes opened before signing indentures, etc.? If this were done, we should not see men offering their labour for wages that would disgrace a rag-picker.—Disgusted (24/2).

Salaries Paid by Limited Companies

Referring to the note under the above title in the *C. & D.*, February 24 (page 288), "Amidol" writes:—Several friends are of opinion that the rates as stated may apply to 10 per cent. of the qualified staff, but no more. The rate of commission is a flat rate, but the total received by an employee may vary greatly. A man in one big branch, which is known to be a really good "pitch," makes £7 to £9 a month in commission, but for one like this there are perhaps twenty where individuals get no more than a third of this sum.

Warning to Chemists

Since being "demobbed" I have been "on the road," and, much to my surprise and disgust, I frequently come across lines packed in boxes with "British manufacture" stamped on, but having foreign contents. I find most deception in rubber sundries, and invariably note that English prices are being paid. I would like to advise chemists, if buying English-made goods, to get a guarantee that they are such; if not, to see that they pay foreign price for foreign goods. There is nothing easier to distinguish than goods made with English rubber sheet from those made with imported sheet. Honesty in British trading has made us stand up to a 5s. income-tax, and this sort of thing will soon make us ashamed we ever went to war.—100 per cent. Britisher (15/3).

Assistants' Situations in South Africa

You are to be congratulated on your reply to "Fed Up" in your issue of January 27 (p. 140) *re* South Africa. I may perhaps add that every examination held here adds to the number of qualified men in the labour market; the state of business is worse than has ever been known before, and men are going round personally canvassing for employment, a phenomenon new in South African pharmacy, but which now threatens to become commonplace. I hope your answer to your correspondent will be carefully noted for the sake of everybody concerned.—H. W. V. (19/3).

Insurance Prescriptions and Section 17

The Pharmaceutical Society, in securing an amendment to Section 17 of the Pharmacy Act, 1868 (*C. & D.*, March 31, p. 452), have done a distinct service, and at the same time saved themselves from the necessity of prosecuting every panel chemist in the country, or victimising one for the lot with a prosecution, for failing to carry out the provisions of the Act. The Vice-President said at Leeds, in answer to a question about single N.H.I. prescriptions, that "it would be the duty of the Pharmaceutical Society to prosecute those chemists who did not copy in a book those prescriptions containing scheduled poisons."—*Relieved* (3/4).

Legal Queries

Lex (19/4).—Belladonna plasters are poisons within the meaning of Part II. of the Schedule of the Poisons and Pharmacy Act, 1908.

A. S. (30/4).—Lead arsenate is a poison within the meaning of the Arsenic Act. The conditions of sale laid down in the Act must be observed whenever a sale is made.

J. B. (23/4) asks whether a qualified lady assistant, whose salary is £3 5s. a week, must be insured under the National Health and the Unemployment Insurance schemes. [As the assistant's remuneration does not exceed £250 a year, she must be insured under both schemes.]

Confused (27/4).—The poison-schedule indications given in the *C. & D.* Retail Price List refer to the various Acts of Parliament regulating the sale of poisons. The explanation of the letters used to indicate the conditions is given on the first page of the Price List. The conditions of sale are given in detail in *The Chemist and Druggist Diary*, 1923.

H. T. W. (28/4) supplies medicine through the National Health Insurance scheme, and he employs a qualified assistant to make up the prescriptions. The profits from the transactions being very small, because of the heavy expenses, he asks if it is necessary to include them on his income tax returns. [Yes, these and all other profits made in the business must be returned, but, of course, any expenses necessarily incurred in earning the profits are allowed to be deducted. Thus, the salary, etc., paid to the assistant would be a legitimate deduction.]

"Taxed" (17/4) writes that he, having been required to make income tax returns for the years as far back as 1914, called upon the Inspector of Taxes and put before him proper balance-sheets made out by an accountant for the last three years, at the same time telling the Inspector that he had no other accounts or books available. The Inspector refuses to accept this offer, and maintains that "Taxed" is liable for income tax, property tax, and excess profits duty from 1914, with interest on arrears unpaid. Returns genuinely made out had been furnished during each of these years, and assessments made on them without any question being raised by the Inspector. "Taxed" asks what, if any, steps can be taken against him. [The Inspector can call for returns for the current tax year and for the three years preceding it, and no more, so far

as income tax or property tax is concerned. As regards excess profits duty, it is a tax chargeable as a whole over the whole period for which it was in force; that is, from August 1915 to August 1921, and accounts for it ought to cover the whole period. It seems fairly clear that the Inspector is trying a game of bluff, and "Taxed" would do well on receiving any notice of an "additional assessment" to give notice of appeal at once if the assessment is excessive. In any event, he is not liable for any arrears of income-tax going back beyond three years, as stated.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

E. M. (23/4).—PLANT FOR IDENTIFICATION.—The plant you send is the butterbur, *Petasites vulgaris*, and belongs to the N.O. Compositae. It is not uncommon on the side of streams, but is often overlooked when in flower, as the inflorescence appears in March or April before the leaves. The leaves have the largest size of any British plant, often 3 ft. broad. In summer when they are fully developed the plant forms a conspicuous object, covering the ground near the river or stream for several yards, as it spreads by creeping underground stems. The name butterbur is stated to be derived from the use of the leaves as a wrapping for butter. The flowers are interesting from a botanical point of view, as the plant is subdioecious. The female plant has a long and lax panicle, and the flowerheads have only a few male flowers in the centre. In the male plant the panicle of flowers is dense and ovate in outline, and there are usually no female flowers in the head, or at most only a single row. It is enumerated in Potter's "Cyclopædia of Botanical Drugs," and stated to possess cardiac, tonic, stimulant and diuretic properties. For fevers, colds and urinary complaints the decoction of the rhizome is taken in wineglassful doses. In France the decoction of the leaves is used by the peasants as a remedy for scurf. To entomologists the root is interesting as the home of a somewhat local and uncommon moth, the caterpillar of which feeds in the roots in June and July, and emerges as a moth in September. It is greyish white with black spots, and has a brown head and a brown joint behind the head.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," May 15, 1873.

The Death of Liebig

The death of this great chemist is an event which leaves a vacancy in science such as scarcely any living chemist can realise. For nearly fifty years the name of Liebig has been perhaps the most familiar to all, both scientific and popular readers, as the embodiment not of German only, but of universal chemistry. A giant for work, Liebig commenced his investigations at a very early age, and, never tiring, continued them almost to the day of his death. His turn of mind, too, was eminently practical, and it would take a long essay to estimate the results of his labours as they are exhibited to us in daily life. He was born in Darmstadt in 1803, and at the age of fifteen his father apprenticed him to an apothecary in Pappenheim. In ten months he discovered that pill-making was not the chemistry for which he longed, so he ran away from his apprenticeship, and soon afterwards we find him at the University of Bonn, and then at Erlangen, where, at the age of nineteen, he took his degree of Doctor of Medicine. By this time he had become known as an investigator, having published some researches on fulminating silver and mercury, which won for him the friendship of Humboldt, and induced the Grand Duke of Hesse to send him to Paris for the purpose of completing his studies. He became famous there, and in 1824, at the age of twenty-one, returned to Germany, where he was appointed Professor of Chemistry at the University of Giessen. From then commences a career which we shall not even attempt to sketch.

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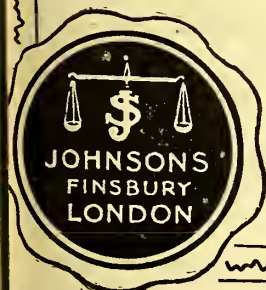
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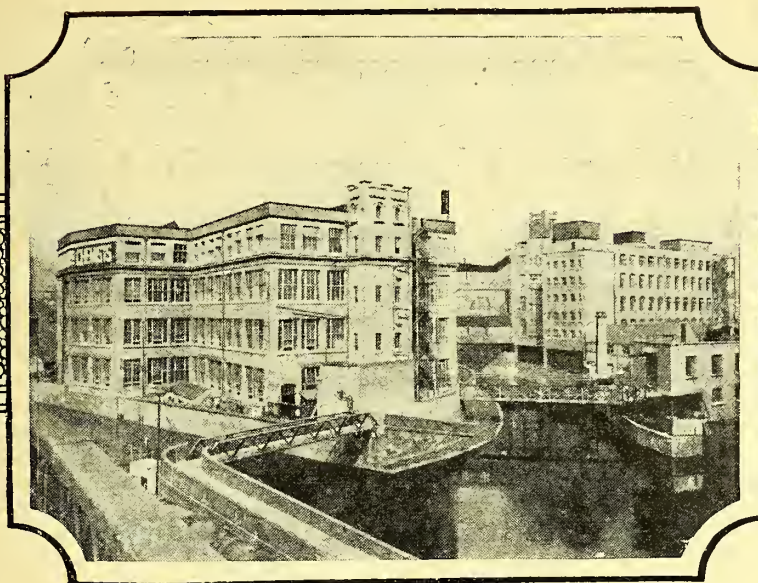
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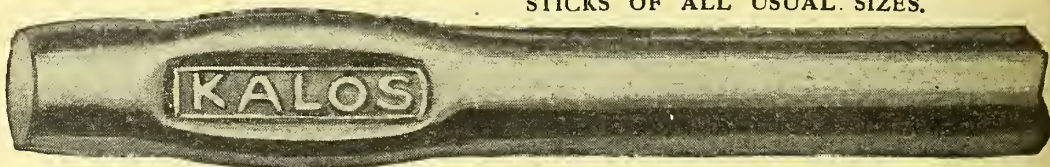
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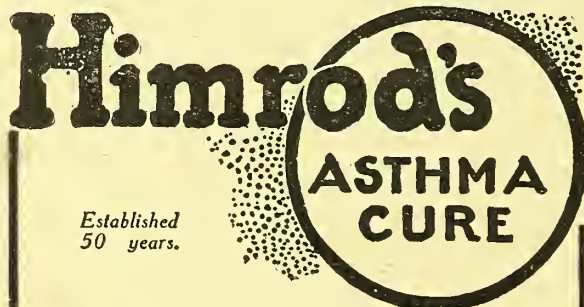
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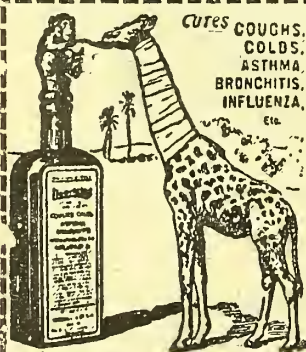
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10½d. size	-	-	-	8/6	per doz. net.
1/3	"	-	-	12/-	" "
3/-	"	-	-	27/-	" "

£2 worth Carriage paid. £6 worth and upwards, subject
to 5% discount. Minimum Retail Prices, 10½d., 1/3 & 3/-.
N.B.—This allows the Chemist a profit of nearly 33%,
or 4d. in the 1/- on £6 lots.

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LITTO SELLS

because it has come through the test of trial against other preparations for the hair.

LITTO IS WITHOUT DOUBT THE FINEST SPECIFIC for the HAIR

To sell an inferior preparation you may lose customers without knowing why!

All Litto preparations are unexcelled—LITTO (Sebacoid) the famous hair grower carries a signed guarantee with every bottle—this guarantee immediately appeals to the public's practical sense—IT SELLS.

**A LINE
THAT
SELLS
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100
Per Cent.
PROFIT**

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LITTO
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Recognised by the Medical Profession as

THE BEST TONIC.

Supplied in 8-oz. and 16-oz. Bottles by all the
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MEDICINES**

of French, Italian and Russian Origin.

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**RUSSIAN
PARAFFIN**

*Purest Medicinal
(S.P.G. .885/90)
Viscosity - 280.*

We are offering exceptionally pure Russian Medicinal Liquid Paraffin, high viscosity, non-clouding, at

oz.		per doz.
4	-	7/-
6	-	8/9
8	-	10/6
12	-	15/-
16	-	19/-
20	-	23/6

Packed, labelled Russian, script labels.
White Flats or Ovals.

Own name and address on 3 doz. assorted.
Carriage paid on orders of £3 net.
(Ireland £5 net.)

*Order now while supplies are
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CARMEX HOUSE,
18 Leather Lane, London, E.C.1

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Produced under the direction of a Specialist during a period of Research and tests extending over four years.

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Therapeutic indications: Rheumatoid Arthritis, Sciatica, Neuritis, and MALARIA, Impure and Impoverished Blood.

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Now being extensively advertised to the Medical Profession.

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	8 18 3
Selling at 7/6 per carton P.A.T.A.	13 10 0
Total cost—carriage paid	8 18 3
Profit	£4 11 9

ALFRED BISHOP, LTD.

48 SPELMAN STREET

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Privy Council Order, Jan. 1, 1921.

DANGEROUS DRUGS ACT, 1920.

Regulations of May 20, 1921. (Operative Sept. 1, 1921.)

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It does not require purchaser's signature.**Proprietors: J. T. DAVENPORT, Ltd., 117 Union Street, S.E.1.**

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Bidor is retailed at 3/- per tube or 36/- per doz., stamped. Unstamped 2/6 or 30/- per doz.

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6 dozen and under 1 gross ... Less 25 per cent & 10 per cent
12 " " " 3 " ... " 25 " 12½ "
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SEMPROLIN				
Emulsion, Plain	2/6	22/6	4/6	40/6
" Aromatics.....	2/9	25/-	5/-	45/-
" Bismuth & Pepsin ..	"	"	"	"
" Glycerophosphates ..	"	"	"	"
" Guaiacol Carb.....	"	"	"	"
" " & Pot.Iod.	"	"	"	"
" Hypophosphites ...	"	"	"	"
" Iron	"	"	"	"
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" Phenolphthalein ...	"	"	"	"
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THE SEMPROLIN CO., LTD., Carmex House
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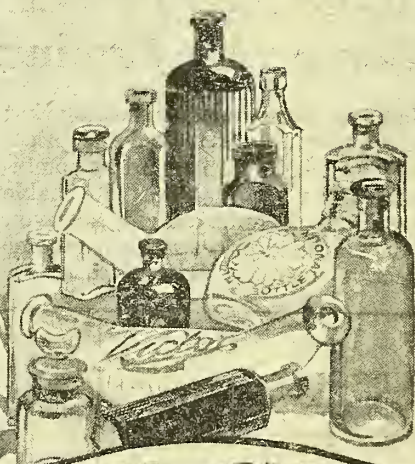
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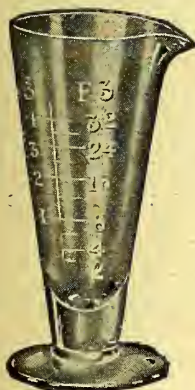
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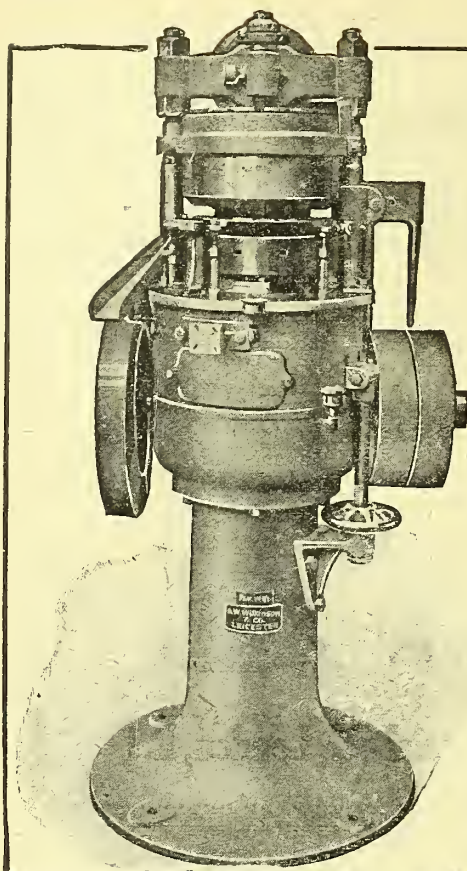
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These Machines are now made in 4 sizes :

12-PUNCH	ordinary	for tablets from $\frac{3}{8}$ " to $\frac{7}{8}$ " dia.	output 400 per min.
20-PUNCH	"	" " " " $\frac{1}{4}$ " to $\frac{1}{2}$ "	" 700 "
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DURING the war these Machines ran 16 hours a day non-stop.

SINGLE punch machines, made in 5 sizes for tablets from $\frac{1}{8}$ " to $1\frac{1}{2}$ " diameter, also lozenges.

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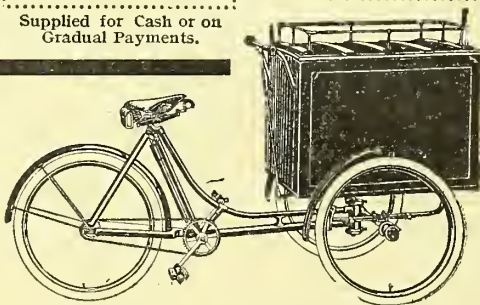
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Our agents give full repair service at all times.

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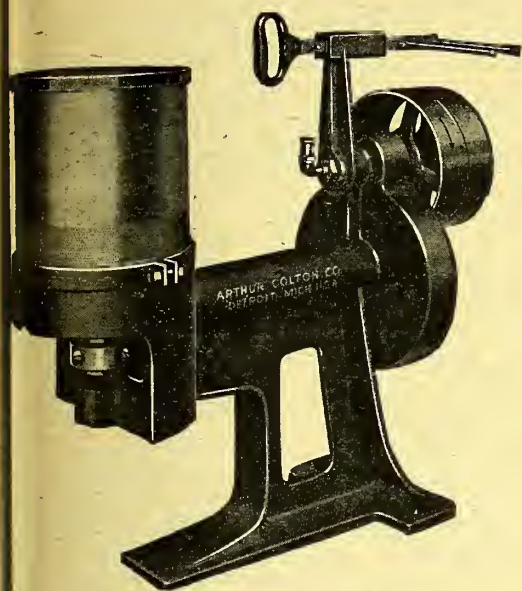
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N^o. 3 COLTON ROTARY WET GRANULATOR.

THIS is a new design machine that is capable of producing an unusually firm quality of granulation.

The design of the machine has been carefully studied with a view to simplicity in cleaning, and for this purpose it is *only necessary to loosen the clamping bolt* at the base of Separator and *one pin in Spreader Head* and all movable parts are available for cleaning.

Capacity: 200 lbs. Sugar Granulation per hour.
Floor Space: 12 by 28 inches.

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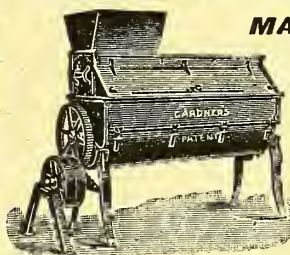
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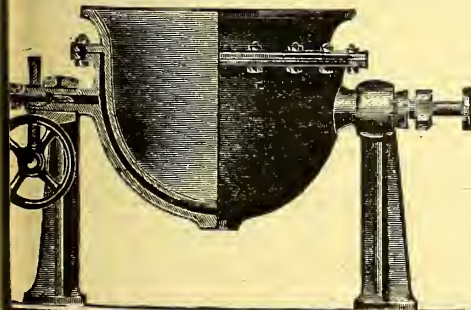
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Roll Films, all 6 and 8 x. 4d. each.
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Will double the turnover of your D. and P. Dept. in a very short time. Our prints de Luxe are made by a special process on special paper, and there are no other productions from snap-shot negatives like them. Send a few good negatives and we shall send some specimen prints.

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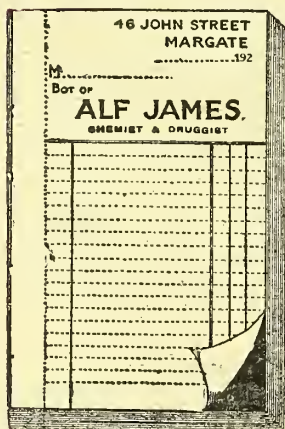
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So confident are we of your satisfaction that your first
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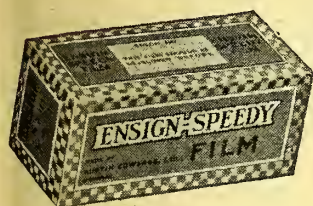
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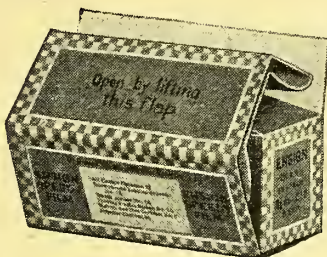
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WE ALWAYS GIVE REAL SATISFACTION TO ALL.

"Ensign-Speedy"

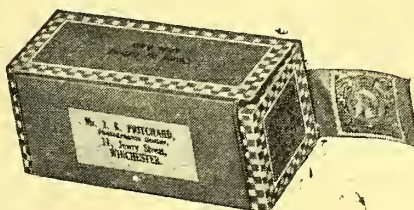
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"Ensign-Speedy" Film
in sealed carton



How to open the new "Ensign-Speedy" Film carton.



The new carton repacked
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FOR the Amateur who prefers a Special Rapid Film, the "ENSIGN-SPEEDY" Film has all the well-known qualities of the "Ensign" Film and is as fast as a film can be. It is made only in six exposures in the popular sizes (see suggested order), (1J spool is for eight exposures).

WHY YOU SHOULD PUSH "ENSIGN-SPEEDY" - FILM

EXAMPLE ORDER FOR "ENSIGN-SPEEDY" FILMS.

12 ... 1E ...	No. 1	"Ensignette"
24 ... 2E ...	No. 2	"Ensignette"
36 ... 1J ...	V.P.K. size	
36 ... 2 $\frac{1}{4}$ A...	2 $\frac{1}{4}$ × 2 $\frac{1}{4}$	
144 ... 2 $\frac{1}{4}$ B...	2 $\frac{1}{4}$ × 3 $\frac{1}{4}$	
36 ... 2 $\frac{1}{2}$...	2 $\frac{1}{2}$ × 4 $\frac{1}{4}$	
6 ... 2 $\frac{3}{8}$...	2 $\frac{3}{8}$ × 4 $\frac{3}{8}$	
24 ... 3 $\frac{1}{4}$...	3 $\frac{1}{4}$ × 4 $\frac{1}{4}$	
24 ... 3 $\frac{1}{4}$ A...	3 $\frac{1}{4}$ × 5 $\frac{1}{2}$	

THE NEW CARTON

Each spool is packed in a new carton of registered design. It is so made that when the wrapper with Dealer's printed address is included (see below) the exposed spool can be re-enclosed and posted without further packing or addressing to the Dealer for Developing and Printing.

EVERY POSTAL BOX YOUR AGENT

Inside every carton, issued under conditions printed below, the user will find a gummed wrapper together with instructions for repacking the exposed spool. There is also provided an order form for conveying instructions from the user to the Dealer for Developing and Printing work.

HOW IT IS DONE

When an initial order for £20 gross is placed by a Dealer for these new Films the DEALER'S NAME AND ADDRESS IS PRINTED FREE ON A GUMMED WRAPPER which is attached inside every "Ensign-Speedy" Film Carton of his order, thus ensuring the return of the exposed spool to him for Developing and Printing. Subsequent orders for "Ensign-Speedy" Film may be for any amount to secure this special imprint.

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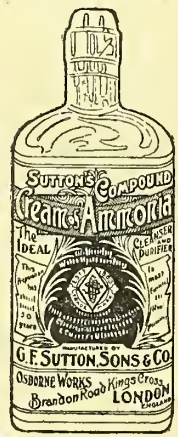
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New Window Display Conditions.

Monthly Account.Carriage Paid.

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6; on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally,

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

EXAMPLE.

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	...	£2 2 0	£2 12 6
2 " 3/- " at 30/- "	...	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	...	10 6	
		£4 11 6	£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.Carriage Paid.Monthly Account.

1/3 size	...	12/-	per doz. net.
3/- "	...	30/-	" "
5/- "	...	48/6	" "
12/- "	...	114/-	" "

PROTECTED PRICES.

Phosferine, and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz.,
1/3, 3/-, 5/-, and 12/-

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C. 4.

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C. 4, when a fresh supply will be sent and postage refunded.

Announcement

of the new Policy
behind the distribution
of



STAIN REMOVER

We are glad now to be able to offer Movol on the following advantageous trade terms—terms which show to the chemist and druggist

38½% net profit

	Cost Price.	Selling Price.	Bonus Tubes.
2 doz. 6d. Tubes	8 - 0	12 - 0	2—6d. Tubes 1 - 0
1 doz. 1/- „	8 - 0	12 - 0	1—1/- Tube 1 - 0
	16 - 0	24 - 0	2 - 0

Net profit 10/- i.e. 38½%. 5% more than the usual profit.

If 1/- size Tubes are not desired we will supply three or four dozen 6d. Tubes with corresponding number of Bonus Tubes.

MOVOL is an EXCELLENT LINE for CHEMISTS

—easy to hand, to stock and to sell. And on the above terms it is an exceptionally *profitable line*.

This is NOT a SPECIAL OFFER

The above terms are the permanent basis on which Movol can be obtained.

We pay carriage and supply suitable Advertising Material.

SOLE MAKERS :

WM. EDGE & SONS, LTD., BOLTON.

Φ M.A.



This little figure tells your customers about Movol.

Advertisements are appearing regularly in the Daily Mail, Daily Sketch, and News of the World.

THE CHEMIST

AND DRUGGIST



RETAIL PRICE LIST

based on definite costing principles.

MAY SUPPLEMENT

Prices given below are alterations in either the Cost or Selling Prices since the issue of the C. & D. Retail Price List in THE CHEMIST AND DRUGGIST, April 7, and enable Chemists to revise the Price List up to May 1. The method of using the Price List is explained on the front page of the quarterly publication.

	Cost		Selling Price (solid or liquid)							Cost		Selling Price (solid or liquid)					
	1 lb. or as stated		16 oz.	4 oz.	1 oz.	1 dr.	Gr. or ℥	1 lb. or as stated			16 oz.	4 oz.	1 oz.	1 dr.	Gr. or ℥		
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.		
glacial. . .	1 6	—	0 9	0 3	—	—	—	Bandages (cont.)—	0 8	—	—	—	—	—	—		
licyl. . .	5 0	—	2 2	0 7	—	—	—	Elastic web, N.H.I. :	0 6½	—	—	—	—	—	—		
cryst. B.P. C	2 9	4 6	1 4	0 5	—	—	—	3 inch . . . each	0 8	each	1 4	—	—	—	—		
liq. B.P. C	2 6	4 2	1 4	0 5	—	—	—	2½ inch . . . each	0 6½	each	1 1	—	—	—	—		
ulv. . .	2 10	4 3	1 4	—	—	—	—	Barbitonum . . . B oz.	2 6	—	—	4 4	0 9	—	—		
ulv. . .	2 11	4 4	1 4½	0 5	—	—	—	Barbiton., sodium . . B oz.	2 9	—	—	4 10	0 10	—	—		
ulv. . .	4 0	—	1 10	0 6	—	—	—	Barii hydrox. pur. . .	2 0	3 6	1 0	0 4	—	—	—		
“phys. pur.”	4 6	—	2 0	0 7	—	—	—	Benzamin, hydroch. . . dr.	3 0	—	—	—	4 3	—	—		
cryst. mag. . .	2 0	3 0	0 10½	—	—	—	—	Benzamin, lact. . . dr.	3 0	—	—	—	4 3	—	—		
st. parv. . .	2 1	3 2	0 11	—	—	—	—	Bismuthi betanaphthol. oz.	2 6	—	—	4 4	0 9	—	—		
lv. . .	2 0	3 0	0 10½	—	—	—	—	Bismuthi et ammon. citras oz.	1 10	—	—	3 2	0 7½	—	—		
dedded . . .	10 9	—	4 8	1 4½	—	—	—	Bismuthi salicylas . . .	15 0	—	6 5	1 9	0 3½	—	—		
v. . .	13 0	—	5 0	1 7	—	—	—	Bismuthi subnitras . . .	14 0	—	6 0	1 7	0 3½	—	—		
ulv. . .	6 4	9 6	2 9	0 9	0 1½	—	—	Caffeinae citras . . . oz.	1 2	—	—	2 1	0 4	—	—		
ulv. . .	4 0	—	—	0 6	—	—	—	Caffeinae iodidum . . oz.	4 0	—	—	7 0	1 4	—	—		
osulphon. . .	4 6	6 9	2 0	0 7	—	—	—	Calcii acetylsalicyl. . . oz.	1 4	—	—	2 4	0 5	—	—		
ulph. . .	3 2	—	1 5	0 6	—	—	—	Calcii bromidum . . . oz.	0 8	—	—	1 2	0 2½	—	—		
. . .	0 8	1 0	0 4	—	—	—	—	Calcii peroxid. . . oz.	1 3	—	—	2 6	0 5	—	—		
flor. conc. 1-40	16 6	—	7 3	1 11	0 3½	—	—	Camphora (flores) . . .	6 0	9 0	2 7	0 8	—	—	—		
asi . . . B	1 3	2 0	0 8	—	—	—	—	Camphora (1-oz. tab.) . .	6 6	—	—	0 8½	—	—	—		
inas . . . oz.	4 0	—	—	7 0	1 2	—	—	Camphora (¼-oz. tab.) . .	6 9	—	—	0 9	—	—	—		
. . . oz.	6 6	—	—	—	2 2	0 9*	—	Canada balsam . . .	12 6	—	5 6	1 6	—	—	—		
has. . . oz.	5 9	—	—	—	1 8	0 8*	—	Canellæ cortex . . .	5 4	—	2 5	0 8	—	—	—		
. . . oz.	5 6	—	—	9 0	1 8	—	—	Canellæ cort. pulv. . .	6 9	—	3 0	0 10	0 1½	—	—		
er B.P.C. . .	3 4	—	1 5	—	—	—	—	Catechu pulv. . .	2 0	3 0	1 0	0 4	—	—	—		
								Cera alba in placentis . .	2 7	4 0	1 2½	—	—	—	—		
ched, 130 :								Chlorophyllum (oil-sol.) oz.	3 0	—	—	4 6	0 11	—	—		
4 yd. . . doz.	2 1	each	0 5	—	—	—	—	Chlorophyl (spirit-sol.) oz.	3 0	—	—	4 6	0 11	—	—		
4 yd. . . doz.	2 10	each	0 6	—	—	—	—	Colchi-sal caps. . . B 100	5 0	doz.	0 11	—	—	—	—		
4 yd. . . doz.	3 1	each	0 7	—	—	—	—	Collodion salicyl. co. B.P.C.	8 9	—	—	1 2	0 3	—	—		
ached, 125 :								Conf. opii . . . B, F	4 2	—	1 10	—	—	—	—		
4 yd. . . doz.	1 8	each	0 4	—	—	—	—	Crocus Valent. . . oz.	16 0	—	—	—	4 8	1 7*	—		
4 yd. . . doz.	2 1	each	0 5	—	—	—	—	Crocus Valent. pulv. . . oz.	17 0	—	—	—	4 10	1 8*	—		
4 yd. . . doz.	2 6	each	0 6	—	—	—	—	Cumini fructus . . .	2 9	3 9	1 2	0 4	—	—	—		
55 :								Cumini fruct. pulv. . .	3 3	4 6	1 4	0 5	—	—	—		
6 yd. . . doz.	7 0	each	1 2	—	—	—	—	Cumini fruct. pulv. (crs.) .	3 0	4 3	1 3	0 4½	—	—	—		
6 yd. . . doz.	8 6	each	1 5	—	—	—	—	Cupri oleas . . .	4 5	6 8	2 0	—	—	—	—		
ol) :								Curcumæ rhiz. pulv. (crs.) ...	1 3	1 11	0 7	0 2	—	—	—		
4 yd. . . doz.	9 6	each	1 7	—	—	—	—	Elix. papaini B.P.C. . .	8 4	—	4 6	1 3	—	—	—		
6 yd. . . doz.	16 6	each	2 10	—	—	—	—	Ess. menth. pip. (exot.) l in 10	20 0	—	7 9	2 0	0 4	—	—		
ached :								Ext. anthemid. pulv. '98 oz.	3 0	—	—	4 6	0 11	—	—		
6 yd. . . doz.	2 3½	each	0 5	—	—	—	—	Ext. cannabis indicæ . . oz.	17 6	—	—	—	5 0	—	—		
6 yd. . . doz.	2 8	each	0 6	—	—	—	—	Ext. coloc. co. (pulv.) . .	6 7	—	3 0	0 10	—	—	—		
6 yd. . . doz.	3 4½	each	0 7	—	—	—	—	Ext. condurango liq. B.P.C. .	9 9	—	4 3	1 2	0 2	—	—		
aris, in tins :								Ext. hydrastis (sicc.) . . C oz.	9 9	—	—	15 0	3 0	—	—		
5 yd. . . each	1 5½	each	3 0	—	—	—	—	Ext. hydrastis liq. . . C oz.	3 3	—	—	5 7	1 0	—	—		
5 yd. . . each	1 11	each	3 10	—	—	—	—	Ext. opii liq. . . B, F	4 6	—	2 0	—	—	—	—		
5 yd. . . each	2 4½	each	4 9	—	—	—	—	Ext. opii sicc. . . B, F oz.	4 9	—	—	7 2	1 5	—	—		

	Cost	Selling Price (solid or liquid)						Cost	Selling Price (solid or liquid)				
		1 lb. or as stated	16 oz.	4 oz.	1 oz.	1 dr.	Gr. or 1/2		1 lb. or as stated	16 oz.	4 oz.	1 oz.	1 dr.
Ext. papav. P.B. '85 B, F oz.	0 9	—	—	—	1 4	0 3	—	Sp. saponis kalini meth.	2 2	3 6	0 11	0 3	—
Ferri oleas	4 0	—	2 0	0 7	0 1 1/2	—	—	Styptol tabs., .. B 20	2 3	doz.	2 1	—	—
Fœnugr. sem. pulv. (crs.) cwt.	70 0	—	—	7 lb.	6 3	—	—	Sulphur sub. sec. .. cwt.	23 6	7 lb.	2 3	14 lb.	4
Glyc. plumbi subacet.	2 2	—	2 0	0 7	—	—	—	Sulphuris iodic. .. oz.	2 4	—	—	4 1	0
Guaiacol. carb. .. oz.	1 6	—	—	2 8	0 6	—	—	Syrupus	1 0	2 0	0 8	0 2 1/2	—
Hexamina oz.	0 8	—	—	1 2	—	—	—	Syr. ac. hydriodici	2 9	—	1 7	0 5	—
Hydrargyrum	5 10	8 10	2 9	—	—	—	—	Syr. allii	2 7	—	1 8	0 6	—
Hydroquinone	6 6	—	2 10	0 9	—	—	—	Syr. althææ	1 10	—	1 2	0 4	—
Ichthyocoll Brazil. incis.	10 6	15 3	4 6	1 3	—	—	—	Syr. anisi	2 3	—	1 4	0 5	—
Inf. anthem. conc. ..	5 4	—	2 6	0 9	0 1 1/2	—	—	Syr. apomorph. B.P.C.	3 7	—	2 2	—	—
Inf. buchu conc. ..	4 5	—	2 5	0 8	0 1 1/2	—	—	Syr. aromaticus	5 4	—	3 0	0 10	—
Inf. serpentariæ conc.	7 4	—	3 4	0 11	0 2	—	—	Syr. aurantii	3 1	—	1 9	—	—
Inf. valerianæ conc. ..	3 0	—	1 5	0 5	—	—	—	Syr. aurant. flor. ..	2 1	—	1 3	—	—
Inject. cocain. hypod. B, F oz.	3 2	—	—	5 7	1 0	—	—	Syr. butyl-chloral hyd.	4 1	—	2 4	0 8	0
Inject. coc. hyp. (10%) B, F oz.	4 2	—	—	7 4	2 0	—	—	Syr. calcii hypophosph.	2 7	—	1 6	0 5	—
Inject. morph. hypod. B, F oz.	1 4	—	—	2 4	0 8	—	—	Syr. calc. lactophos. c. ferro	2 2	—	1 4	0 5	—
Insulin 5cc.	21 3	orig.	bot.	25 0	—	—	—	Syr. camph. co.	2 1	—	1 4	—	—
Lin. universal. C. & D. D. '19	2 3	3 6	1 0	—	—	—	—	Syr. cascar. aromat. ..	4 6	—	2 9	0 9	—
Liq. morph. acetat. .. B, F	5 0	—	2 6	0 9	—	—	—	Syr. chloral	2 9	—	1 8	0 6	—
Liq. morph. bimec. .. B, F	7 9	—	3 6	1 0	—	—	—	Syr. croci	4 9	—	3 0	0 10	—
Liq. morph. hydroch. B, F	5 3	—	2 7	0 9	—	—	—	Syr. eucal. gum.	4 10	—	3 0	0 10	—
Liq. morph. sulphat. B, F	5 4	—	2 8	0 9	—	—	—	Syr. ferri bromid. ..	3 7	—	2 2	0 7	—
Liq. morph. tart. .. B, F	7 4	—	3 5	1 0	0 2	—	—	Syr. ferri bromid. c. quin.	4 10	—	3 0	0 10	—
Liq. opii sed. B.P.C. B, F	7 3	—	3 4	0 11	0 2	—	—	Syr. ferri brom. c. quin. et	—	—	—	—	—
Liq. opii sed. P.F. .. B, F	6 6	—	3 0	0 10	0 2	—	—	strych.	5 1	—	3 0	0 10	—
Liq. thymol. co.	2 6	4 0	1 3	0 4	—	—	—	Syr. ferri hypophosph.	2 0	—	1 3	0 4	—
Magnesia levis	2 2	3 3	1 0	0 4	—	—	—	Syr. ferri iodidi	2 7	—	1 8	0 6	—
Magnes. citras (ver.) ..	8 6	—	3 9	1 0	0 2	—	—	Syr. ferri lactophosph.	2 9	—	1 10	—	—
Magnes. hydrox.	3 0	—	1 5	—	—	—	—	Syr. ferri phosph. ..	1 6	3 2	1 0	0 4	—
Magnes. peroxid. 15% oz.	0 10	—	—	1 6	0 3	—	—	Syr. format. co. .. C	3 1	—	1 10	—	—
Magnesium (powder) oz.	0 9	—	—	1 3	0 3	—	—	Syr. glucosi	1 4	—	0 10	0 3	—
Magnesium (ribbon) oz.	1 3	—	—	2 0	—	—	—	Syr. glycerophosph.	4 1	8 2	2 5	—	—
Maranta St. Vincent opt.	1 1	1 9	0 6	—	—	—	—	Syr. glyceroph. c. form. B.P.C.	2 10	5 8	2 8	0 6	—
Mel boracis	1 6	3 8	1 3	1 4	—	—	—	Syr. glycerophos. co. B.P.C. C	2 8	—	1 8	—	—
Methyl orange	1 9	—	—	3 0	0 6	0 3*	—	Syr. hemidesmi	2 0	—	1 3	—	—
Methyl salicylas	4 10	—	2 2	0 7	—	—	—	Syr. iodo-tannic. ..	4 1	—	2 4	0 8	0
Methylsulphonal .. C. oz.	2 0	—	—	3 6	0 8	—	—	Syr. ipecac.	2 7	—	1 6	0 5	—
Naphthalin. coml. flake ..	0 7	0 10 1/2	0 3 1/2	—	—	—	—	Syr. limonis	2 2	4 6	1 4	0 5	—
Naphthal. coml. glob. ..	0 7	0 10 1/2	0 3 1/2	—	—	—	—	Syr. marrubii	2 0	4 0	1 3	—	—
Ol. bergamot oz.	2 0	—	—	3 6	0 8	—	—	Syr. papaveris alb. .. C	1 11	—	1 3	—	—
Ol. cajuput. oz.	0 7	—	—	1 3	—	—	—	Syr. picis liq.	2 2	—	1 4	0 5	—
Ol. chenopodii oz.	3 6	—	—	6 2	1 1	—	—	Syr. pini B.P.C.	4 1	—	2 8	0 10	—
Ol. citronellæ oz.	0 6	—	—	0 11	—	—	—	Syr. pruni cerasi	3 3	—	2 0	0 7	—
Ol. cocois nucif.	1 2	1 9	0 8	0 2 1/2	—	—	—	Syr. pruni virg.	1 5	—	0 10	—	—
Ol. lavand. Gall.	20 0	—	—	2 5	—	—	—	Syr. rhei	1 7	—	1 0	0 4	—
Ol. lavand. spic. ver. ..	9 6	—	4 2	1 2	0 2	—	—	Syr. rhæados	1 9	3 5	1 2	—	—
Ol. lini opt. gal.	7 3	pint	1 5	0 3	—	—	—	Syr. rubi idæi	3 5	—	2 2	0 7	—
Ol. lini (boiled) gal.	7 9	pint	1 6	0 3	—	—	—	Syr. scillæ	1 4	—	0 10	0 4	—
Ol. puleg. exot.	10 6	—	4 7	1 5	—	—	—	Syr. sennæ Alex.	3 0	—	1 9	—	—
Ol. rapii gal.	7 3	1 4	0 5	0 2	—	—	—	Syr. sennæ fruct. Alex.	3 7	—	2 2	—	—
Ol. ricini Ital. insip. ..	1 6	2 6	0 9	0 3	—	—	—	Syr. tussilaginis	2 9	—	1 7	0 5	—
Ol. ricini (first)	1 1	1 8	0 8	0 3	—	—	—	Syr. violæ	1 9	—	1 2	0 4	—
Ol. ricini (cattle)	0 11 1/2	1 6	0 5	—	—	—	—	Syr. zingiberis	1 8	—	1 0	0 3 1/2	—
Ol. ricini (cattle) .. gal.	7 0	pint	1 11	gal.	10 6	—	—	Taraxaci rad. Ang. incis.	2 0	3 0	1 0	0 3 1/2	—
Ol. terebinth. gal.	13 0	pint	2 6	0 3	—	—	—	Tr. aconiti Fleming. .. B	9 3	—	3 10	1 0	0
Paraformaldehyd. .. oz.	0 7	—	—	1 0	—	—	—	Tr. arnicæ flor.	4 0	6 0	1 9	0 6	—
Pasta zinci co. B.P.C. ..	1 9	2 8	1 0	0 4	—	—	—	Tr. chlorof. et morph. co. B, F	8 8	—	—	1 2	0
Phenacetinum oz.	0 11	—	—	1 9	—	—	—	Tr. croci	20 0	—	8 6	2 4	0
Phenazonum oz.	1 1	—	—	2 0	0 5	—	—	Tr. euphorbiæ	7 0	—	3 0	0 10	0
Phenolphthalein .. oz.	0 11	—	—	1 9	0 4	—	—	Tr. jalapæ co.	6 4	—	2 9	0 9	—
Potassii metasulph. ..	1 2	1 9	0 6	—	—	—	—	Ung. aq. rosæ	6 6	—	3 0	—	—
Potassii nitras	1 3	2 0	0 8	—	—	—	—	Ung. atropinæ .. B oz.	1 9	—	—	3 1	0
Potassii nitras coml. cwt.	64 0	7 lb.	5 10	14 lb.	11 0	—	—	Ung. cocainæ .. B, F oz.	2 6	—	—	4 0	0
Potassii oxalas neut. .. E	2 6	—	1 2	0 4	—	—	—	Ung. plumbi acet. ..	2 2	3 3	1 0	—	—
Potassii permang.	1 7	2 4	0 8	0 2 1/2	—	—	—	Ung. sulphuris	1 6	2 3	0 9	0 3	—
Pulv. conf. aromat. ..	11 6	—	5 0	1 5	0 3	—	—	Ung. zinci	1 6	2 3	0 9	0 3	—
Pulv. cretæ aromat. c.op. B, ex F	3 3	—	1 5	0 5	0 1	—	—	Zinci oxid. (Hubbuck)	1 10	2 9	0 10	—	—
Pulv. opii co. B, F	6 9	—	3 0	0 10	0 2	—	—	Zingiberis rhizoma African	1 4	2 0	0 7	—	—
Pulv. scammon. co. ..	7 9	—	3 5	1 0	—	—	—	Zingib. rhiz. Afric. pulv.	1 8	2 6	0 9	0 2 1/2	—
Salol oz.	0 6	—	—	0 10	0 2	—	—	Zingib. rhiz. Afric. pulv. crs.	1 6	2 3	0 8	—	—
Sodii acetylsal. .. oz.	1 6	—	—	2 8	0 6	—	—						

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C. 4

MAY 5, 1923

This Supplement is inserted in every copy of The Chemist & Druggist.

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that, in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case

Addressed Wrappers Stamped One Penny

must be sent. Loose stamps will not be accepted.

CLOSING FOR PRESS.

ALL ADVERTISEMENTS INTENDED FOR
INSERTION IN THIS SUPPLEMENT

MUST REACH US
NO LATER THAN

FIRST POST THURSDAY MORNING.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No.: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE and VALUATION

1. **HINGFORD (Near).**—Cash Retail Business, prominent situation, in busy market thoroughfare; returns, under management between £20 and £25 per week; double-fronted shop, well fitted; 7-roomed house, private entrance, garden; 21 years' lease; price £750.

2. **WATERLOO STATION (15 Minutes from).**—Death vacancy. Light Retail and Dispensing Business; returns, £2,300 per annum; gross profit, 33½ per cent.; single-fronted shop, modern window, well fitted and stocked; good living accommodation; held on lease; rent £85, sublet £40; price for speedy transfer, £1,100.

3. **LONDON, S.W. (Distant Suburb).**—General Retail Business with N.H.I. Dispensing; returns average over £2,000 per annum; net profit, 25 per cent.; single-fronted shop, well fitted and stocked; lock-up Pharmacy; held on lease, at moderate rent; price £1,450.

4. **LONDON, S.E. (Suburban).**—General Retail Business, with N.H.I. Dispensing; returns, £1,400, at full prices; single-fronted shop, well fitted and fully stocked; good living accommodation; garden; held on lease; rent, £28 per annum; further details on application.

5. **LONDON, S.E. (Good-class Residential Suburb).**—Old-established Business, Retail and Dispensing; gross receipts average between £4,000 and £5,000; present rate less; there is good residence, with private entrance; price to be agreed equally.

6. **ALING (Near).**—Retail and Dispensing Business; returns, over £1,000; net profit, 25 per cent.; held on lease at moderate rent; good living accommodation, with side entrance; terms, for stock at valuation, and sum for goodwill, lease, and fixtures.

7. **NORTH LONDON.**—Cash Retail and Dispensing Business; trading at the rate of between £1,500 and £2,000 per annum; fronted shop, fitted in mahogany; good working stock; £52 per annum; held on lease; no near opposition; offers

8. **SOUTH COAST (Fashionable Health Resort).**—High-class Retail and Dispensing Business; returns, present rate, £50 weekly, more in season; handsomely fitted double-fronted lock-up shop; heavily stocked; 21 years' lease; price to be arranged.

9. **HOME COUNTY.**—Mixed Country Retail Business; very old-established; returns, £2,300; gross profit, 33½ per cent.; double-fronted shop, well fitted; good working stock; large house and garden; long lease; rent, £60 per annum; price £1,600.

10. **KENT.**—General Retail, Dispensing, and Prescribing Business; very old-established; returns last year, £3,255, at usual prices; double-fronted shop; heavily stocked; new lease will be granted at a moderate rental; price to be arranged.

11. **EAST COAST (Near).**—Country Business, Retail, Prescribing and Agricultural; established many years; returns, £3,200 per annum; net profit, £800; double-fronted shop, well fitted; good, saleable stock; good living accommodation; garden; new lease; rent, £80; no serious opposition; price £2,500; property may be purchased if required.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partner agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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LIVERPOOL.—Unqualified Junior Assistant wanted; good class Dispensing and quick Counter trade; full particular age, experience, salary required, references, etc. (no enclosures), to "Pharmacist," c/o K. MacLennan, Incorporated Accountant, 11 Drury Lane, Liverpool.

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LONDON, S.E.—Assistant (male) required, mainly for Dispensing, age about 24; qualified preferred. Apply (by letter only), stating full particulars and salary required (outdoors) to A. J. Wing, Chemist, 69 Powis Street, Woolwich, S.E.18.

LONDON, S.E.—Qualified (Minor), for N.H.I. Dispensing and Counter work; must be reliable and accurate; young preferred. Apply, stating references, experience and salary, to "Chemist," 77 High Street, Croydon.

LONDON, S.W.—Required, a Dispenser, Minor qualifications, male, about 30 years of age, with good Dispensing experience. Applicants to state full particulars of experience and salary required. Personal interview necessary. Write, first instance, Box 1644, Sello Advertising Offices, Fleet Street, E.C.4

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WEXHAM.—Young qualified man as Assistant and occasional change at branches (outdoor); must be energetic, interman, Welsh speaker, good Dispenser; knowledge of retail trade; permanency. Full particulars age, experience, references, photo, to Sir Leonard B. Rowland (Rowland & Co.).

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ASSISTANT wanted until end of September; experienced; good dress (photo if possible); obliging; Photography; also qualified Assistant for season; branch; references essential; photo; photo. Hall, Chemist, Skegness.

ASSISTANT required, age not over 30; must be good Counterman and Dispenser, and have had Photographic experience. Apply, with full particulars, to 25/787, Office of this Paper.

ASSISTANT, 25-35, immediately; good Counterman and Photographic Salesman essential; outdoors. Height, age, experience, when disengaged, salary required, references, etc., in letter, Barker, 129 High Street, Watford.

ASSISTANT.—Capable Dispenser, quick at Cachets, Pills, etc., high-class Prescriptions (not N.H.I.); not married man; hours easy, half-day weekly, no Sunday duty; in best residential neighbourhood, within half-hour of Woodside Ferry, Liverpool. Apply "F. W.," c/o J. Thompson, Duke Street, Liverpool.

B.C.A. or S.M.C. wanted, by Yorkshire Chemist-Optician, to take management of Optical Department; one preferred who can give occasional assistance in other department; state wages required and particulars of experience to 60/21, Office of this Paper.

BRIGHTON Manager required for good-class London Business; salary and commission; good prospects for right man. P.C.B. 2/3, Office of this Paper.

CAMBRIDGE Manager, good address, age not over 36, required good-class Business in N.W. district; must have had experience. Apply, giving full particulars, to 25/786, Office of this Paper.

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DISPENSER (male) required for Friendly Societies' Medical Institute; Pharmaceutical Society's qualification necessary; attending evening surgeries; no Sunday attendance. Apply, stating age, salary required, experience, when disengaged, and full particulars, to the Secretary, 65 Lincoln Road, Peterborough.

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JUNIOR, male, unqualified, required at once for period of 3 months; must have good experience dispensing, general retail; photography an advantage; abstainer. Reply, stating particulars, experience, age, references, and salary required. Applications unanswered four days declined. Mussell, Chemist, Garston, Liverpool.

LEWIS & BURROWS have vacancies for competent Assistants, outdoors. Apply, 146 Holborn Bars, E.C.

LOCUM, qualified, required from May 28-June 23; confident to take full charge; good references essential. Write, stating salary required, to Osborne, Chemist, 118 Broad Street, Reading.

QUALIFIED Assistant wanted for high-class Dispensing business. State salary required (outdoors) and usual particulars, and enclose photo, to H. R. Browne, 1 Cornfield Road, Eastbourne.

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QUALIFIED Manager for light Retail and Dispensing (N.H.I.) business; permanent and progressive berth with interest in the profits. "Manager," 58/392, Office of this Paper.

QUALIFIED Assistant required, good Dispensing experience essential; permanency to suitable man. Apply, General Manager, John Bell & Croyden, Ltd., 50-52 Wigmore Street, W.1.

QUALIFIED Assistant (male), single, 25-30; outdoors; must be good Dispenser and obliging, energetic Counter hand; applicants would oblige by sending full particulars age, salary required, experience, photograph and good references essential. Wain, Chemist, Ripley, Derby.

QUALIFIED Assistant required at once for Heppells' Brighton Branch; preference given to local man. Apply, with full particulars, to Heppells, 164 Piccadilly, London, W.1.

UNQUALIFIED Assistant required immediately; good Counterman and Dispenser. "U. A.," 58/391, Office of this Paper.

WANTED. Junior Assistant; permanent; tall; smart; good Salesman. State height, age, experience, salary; expected to work season hours for extra pay; wanted May 21. Purcell, Photographic Chemist, Douglas, I.O.M.

WANTED, immediately, qualified Assistant for light Retail, Dispensing and Photographic business; may occupy the house (Liverpool, near the University). State age, salary and fullest particulars, 65/39, Office of this Paper.

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ASSISTANT Chemist (Works, Laboratory), 28, Public School, B.Sc. Inter. (Lond.); French fairly fluent, some German; scientific knowledge both languages; has had some commercial experience; willing to take any post. M.L. 4772/22, Office of this Paper.

ASSISTANT Manager or Secretary, 34, B.A.; married; training in Engineering and Chemistry; 3 years' experience Government Training Department; expert training and experience with paper-making firm as Chemist and Manager; good organiser and disciplinarian; excellent references and testimonials. M.L. 1606/23, Office of this Paper.

BACTERIOLOGIST and Pharmacist, 23; 5 years' war service; M.P.S.; 5 years' Laboratory experience in Bacteriology; willing to take any post. M.L. 1456/23, Office of this Paper.

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